

Employment and Earnings

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Communications on editorial matters should be addressed to: Chester L. Green, Employment and Earnings, Bureau of Labor Statistics, Washington D.C. 20212. Inquiries regarding the text and *Household Data* should be addressed to: Attention of Gloria P. Green or Phone: (202) 523-1944. Inquiries relating to *Establishment Data* and all other tables should be addressed to: Attention of Gloria P. Goings or Phone: (202) 523-1364.

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CALENDAR OF SPECIAL FEATURES										
Features	Jan.	Feb.	Mar.	Apr.	May	Jul.	Aug.	Oct.	Nov.	Dec.
Household data										
Annual averages	x									
Revised seasonally adjusted series		x								
Quarterly averages:										
Seasonally adjusted data										
Persons not in labor force										
Persons of Hispanic origin										
Vietnam-Era veterans and nonveterans										
Poverty-nonpoverty area data	x			x		x		x		
Establishment data										
National annual averages:										
Industry divisions (preliminary)	x									
Industry detail (final)			x							
Women employment (National)		x			x		x		x	
National data adjusted to new benchmarks		(1)						(1)		
Revised seasonally adjusted series										(2)
State and area annual averages					x					
Area definitions					x					

¹ The issue that introduces new benchmark varies. The October 1975 issue marks the introduction of March 1974 benchmarks. Interim revisions of selected series

appear in the February 1977 issue.
² Revised data introduced December 1977.

Employment and Earnings

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Editors: Chester L. Green, Gloria P. Green, Marcy Freedman

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Employment and Unemployment Developments, December 1977

Employment rose and unemployment dropped sharply in December. The December unemployment rate was 6.4 percent, down considerably from November and 1.4 points below December 1976.

Total employment—as measured by the monthly survey of households—continued to expand with a substantial increase for the second straight month. The proportion of the population with jobs reached a record 58.0 percent, up from 56.3 in December a year ago. The number of employed persons increased by 4.1 million over this period to 92.6 million.

Nonfarm payroll employment—as measured by the monthly survey of establishments—rose by 215,000 over the month to 83.4 million. This employment count excludes striking workers, whose ranks increased by 110,000 in December as a result of the mine workers' strike. (The household survey, on the other hand, classifies striking workers as employed.) Over the past year, payroll jobs have risen by 3.1 million.

Unemployment

The level of unemployment fell by 480,000 to 6.3 million, seasonally adjusted, in December. Most of the improvement took place among persons who had lost their last jobs. The unemployment rate also declined sharply in December, to 6.4 percent. Over the year, the number of unemployed dropped by more than 1.1 million and the rate registered a decline of 1.4 percentage points. Both the number and the rate were the lowest since late 1974.

The November-December unemployment declines affected nearly all major demographic, occupational, and industry groups. Substantial declines among adult men, women, and teenagers brought their rates to 4.7 percent, 6.7 percent, and 15.4 percent, respectively. Black unemployment showed a substantial reduction, as the rate fell from 13.8 to 12.5 percent. The rate for whites also declined, from 6.0 to 5.6 percent. Over the year, jobless rates dropped markedly for white men, women, and teenagers and black adult men, while no downtrend was evident among black women and teenagers.

Although the unemployment rate for blue-collar workers continued to exceed that for white-collar workers, the difference narrowed in 1977. A strong November-December improvement brought the blue-collar rate to 7.3 percent, down from 9.6 percent a year earlier. The white-collar rate

of 3.9 percent showed a drop of six-tenths of a point over the year. The rate for service workers fell a full percentage point in that time frame to 8.0 percent, and the farm workers rate was down two points to 4.1 percent. Among the major industries, there was a particularly strong decline for factory workers in December, and their rate was nearly two and a half points lower than its year-ago level.

The average (mean) duration of unemployment was little changed in December, at 14.1 weeks, but was down 1½ weeks over the past year.

Total employment and the labor force

An increase in employment almost matched the decline in unemployment, as the size of the labor force was little changed over the month. Total employment rose 410,000 in December to 92.6 million, with adult men the major job gainers. The November-December growth in employment was concentrated among full-time workers.

Over the year, employment grew by 4.1 million, or 4.7 percent, marking the largest 12-month gain ever recorded in the post-World War II period. The number of employed adult men was up 1.8 million, adult women advanced by 1.7 million, and teenagers increased their employment by close to 650,000. Employment in blue-collar and service work grew relatively more than other occupations.

The civilian labor force remained at 98.9 million in December, after an unusually large increase of 900,000 in the prior month. The 12-month rise was nearly 3 million. The labor force participation rate—the proportion of the civilian noninstitutional population either working or seeking work—edged back to 62.8 percent, just below the alltime high of 62.9 percent recorded in November.

Discouraged workers

Discouraged workers are persons who report that they want work but are not looking for jobs because they believe they cannot find any. Because they do not meet the labor market test—that is, they are not engaged in active job search—they are classified as not in the labor force rather than as unemployed. These data are published on a quarterly basis.

Consistent with the decline in unemployment during the fourth quarter, the number of discouraged workers also fell. The fourth quarter average was about 970,000,

down from 1.1 million in the second and third quarters and slightly below its year-ago level. About 70 percent of the discouraged total cite job-market factors as their reason for not seeking work. (See table A-53.)

Industry payroll employment

Nonfarm payroll employment increased by 215,000 in December to 83.4 million, seasonally adjusted. All but one of the major industry groups posted employment gains, as 78 percent of the 172 industries that comprise the BLS diffusion index of private nonagricultural payroll employment showed increases in December. Although the over-the-month increase in payroll employment was substantial, it would have been greater save for the effect of a net increase of 110,000 workers on strike. Nonfarm payroll jobs have expanded by 3.1 million over the past year.

The largest over-the-month employment gain took place in manufacturing—160,000. Most of this increase occurred in the durable goods industries, where gains were pervasive. However, the 40,000 increase in the transportation equipment industry resulted mainly from a return of striking aircraft workers to their jobs.

Employment in contract construction continued to improve. An over-the-month increase of nearly 20,000 brought the level of employment 355,000 above its level in December 1976. Employment increases also occurred in the services industry, State and local government, transportation and public utilities, and trade.

Employees on mining payrolls declined by 150,000 over the month, due entirely to the effects of a major strike by the United Mine Workers.

Hours

The average workweek for production or nonsupervisory workers on private nonagricultural payrolls edged down by a tenth of an hour in December to 36.0 hours, seasonally

adjusted. The December workweek stood 0.2 hour below its year-ago level. In manufacturing, the workweek dropped 0.2 hour in December, but, at 40.3 hours, was still 0.3 hour above its year-ago level. Manufacturing overtime, at 3.4 hours, declined 0.1 hour from November but was still above the year-ago point.

The index of aggregate weekly hours of production or nonsupervisory workers on private nonagricultural payrolls edged down to 117.0 (1967=100) in December, 0.1 percent below the November level. However, the overall index has increased by 3.3 percent since December 1976.

Hourly and weekly earnings

Average hourly earnings of production or nonsupervisory workers on private nonfarm payrolls increased by 0.4 percent, seasonally adjusted, in December. Average weekly earnings advanced by only 0.1 percent, however, due to the slight decline in the average workweek. Compared with their year-ago levels, average hourly and weekly earnings were up 7.8 and 7.2 percent, respectively.

Before adjustment for seasonality, average hourly earnings were unchanged from November's \$5.41 but were 39 cents above December 1976. Average weekly earnings increased by \$1.08 over the month, reaching \$195.84 in December. Over the year, average weekly earnings grew by \$13.11.

The hourly earnings index

The Hourly Earnings Index—earnings adjusted for overtime in manufacturing, seasonality, and the effects of changes in the proportion of workers in high-wage and low-wage industries—was 204.8 (1967=100) in December, 0.4 percent higher than in November. The index was 7.4 percent above December a year ago. During the 12-month period ended in November, the Hourly Earnings Index in dollars of constant purchasing power rose 0.7 percent.

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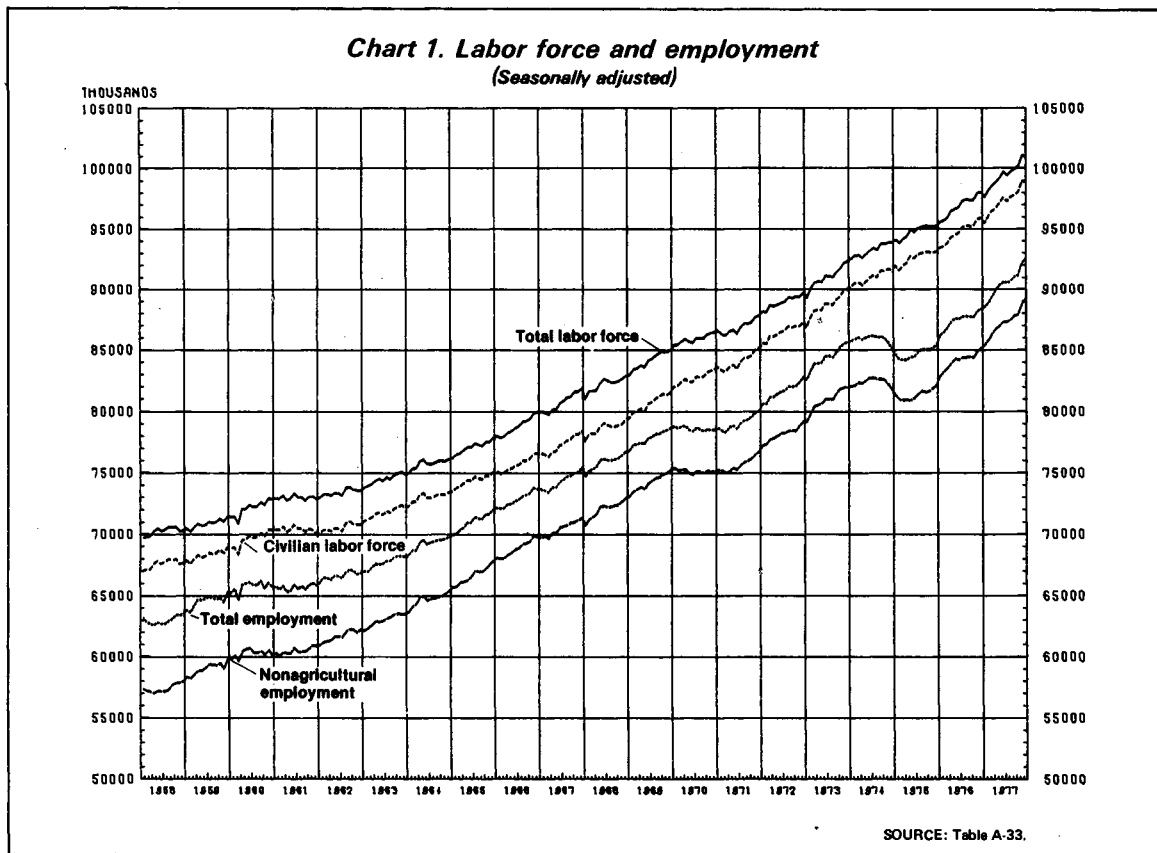
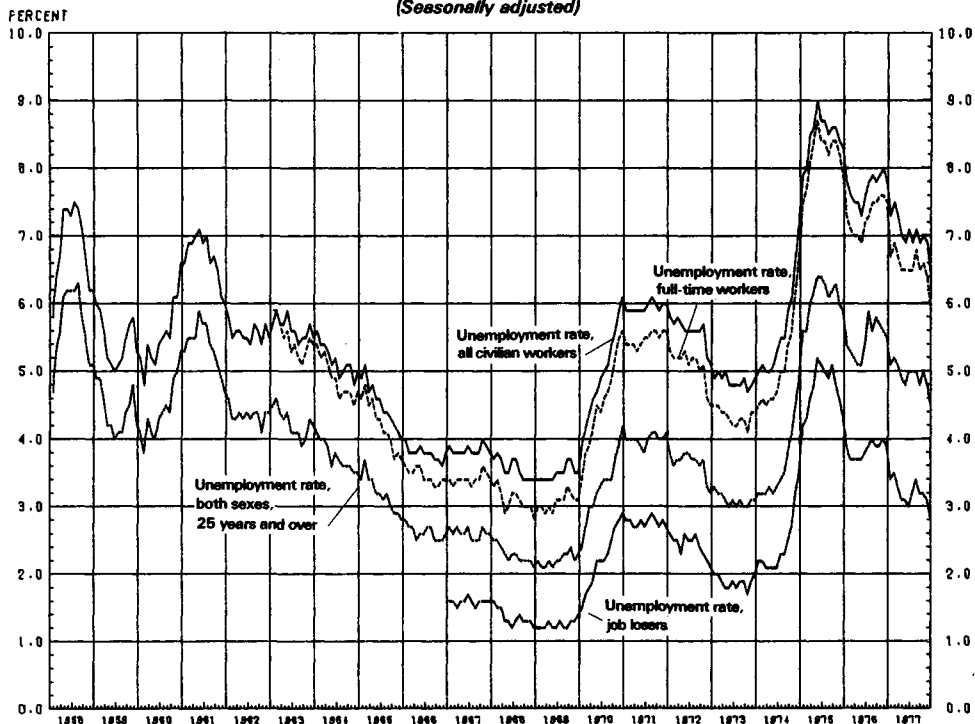
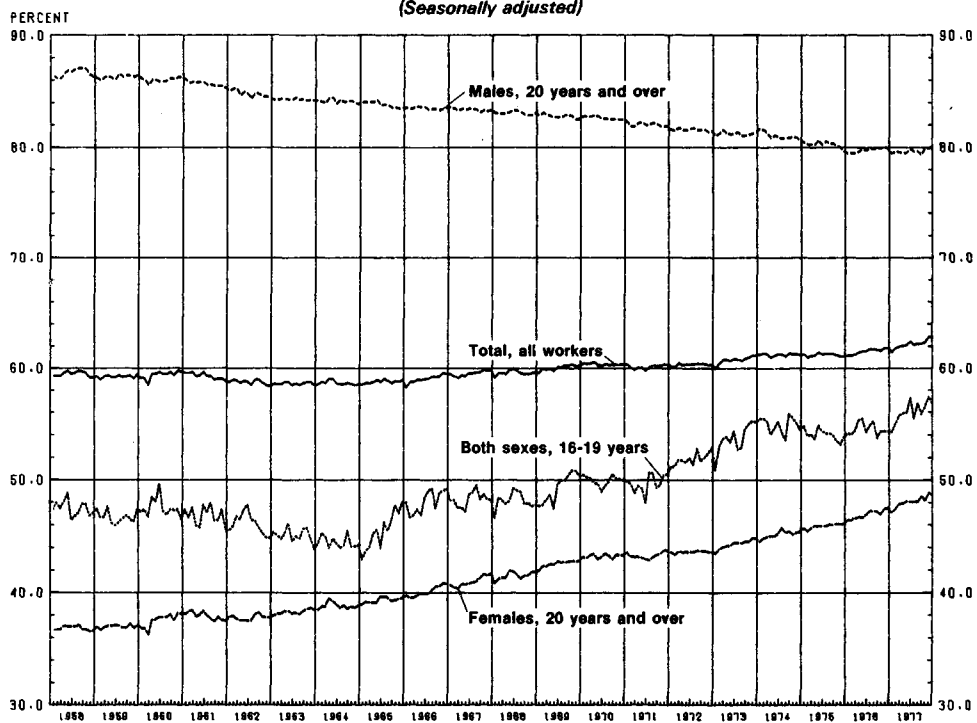


Chart 2. Major unemployment indicators
(Seasonally adjusted)



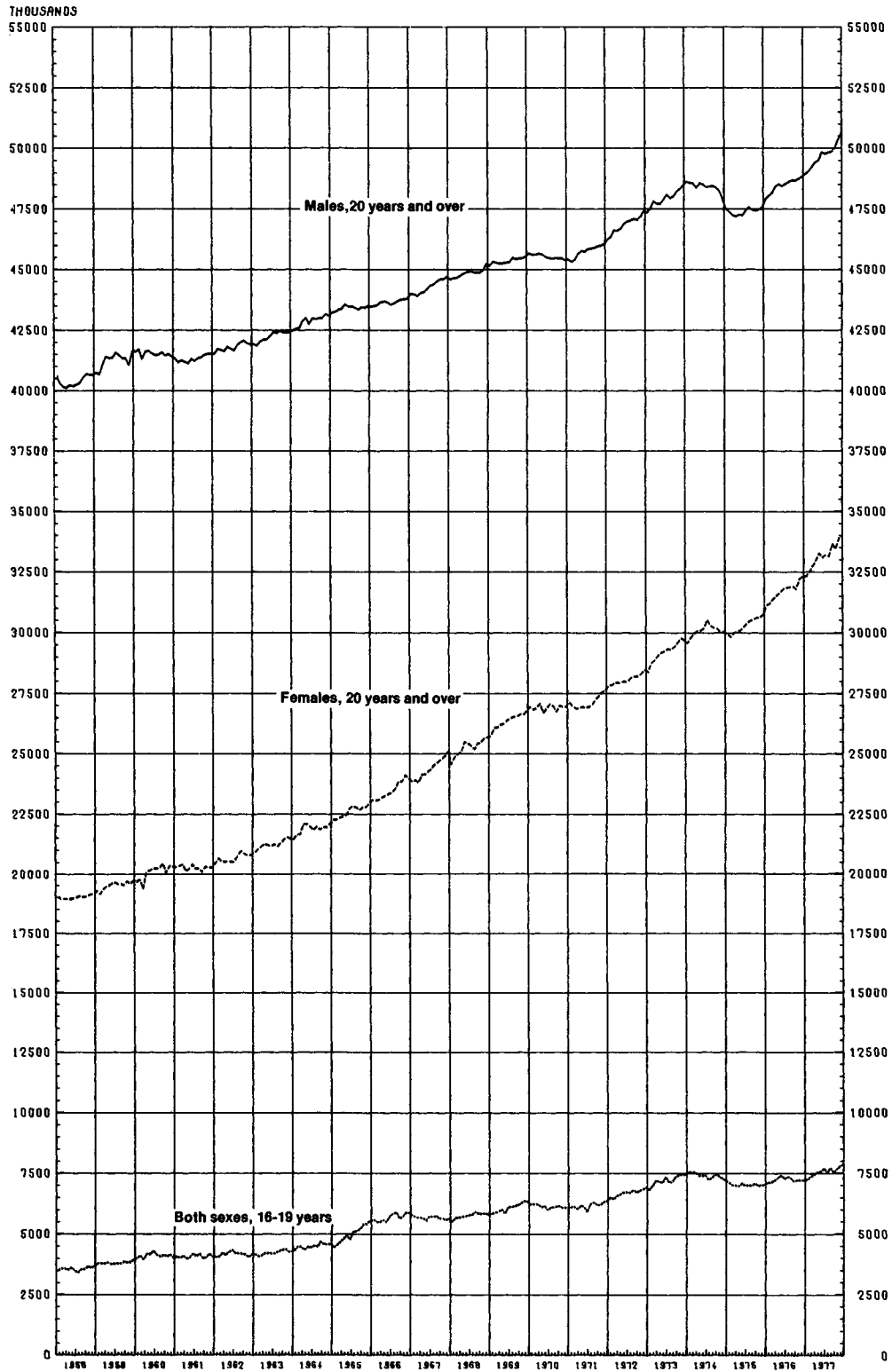
SOURCE: Tables A-36, A-38, and A-39.

Chart 3. Civilian labor force participation rates by sex and age
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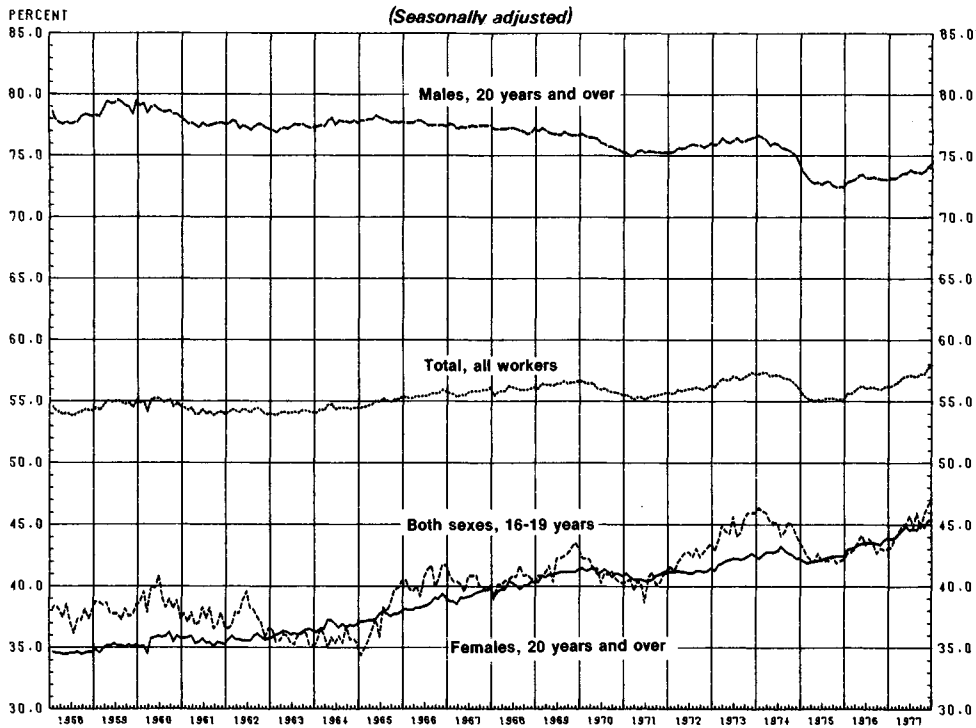
SOURCE: Table A-33.

Chart 4. Total employment by sex and age
(Seasonally adjusted)



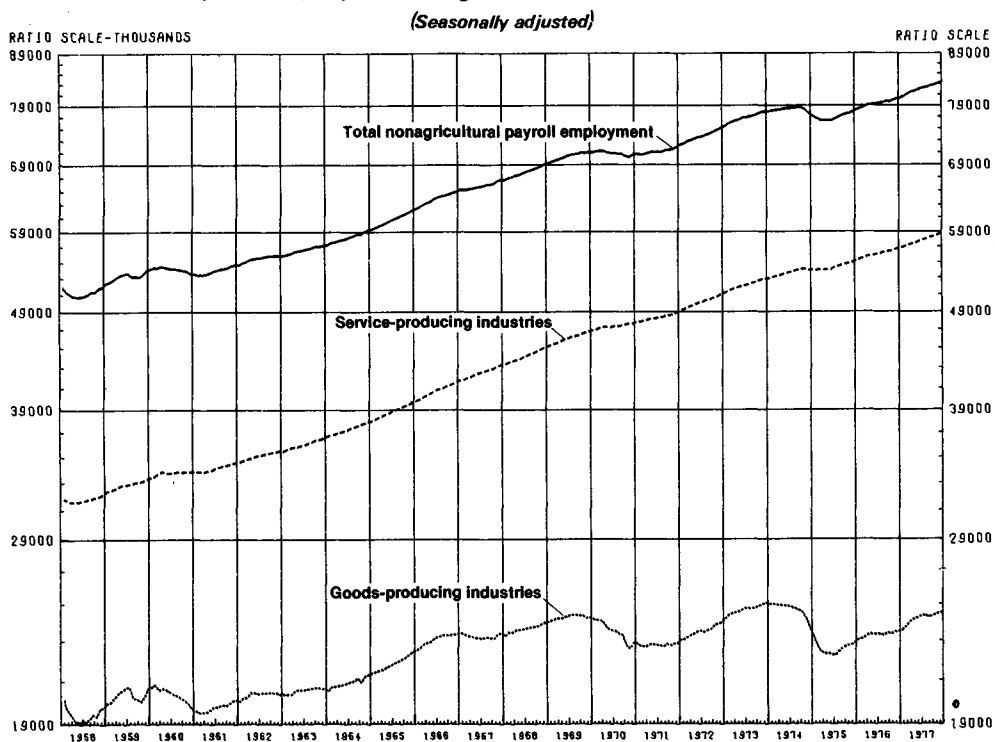
SOURCE: Table A-33.

Chart 5. Employment—population ratios by sex and age



SOURCE: Table A-33.

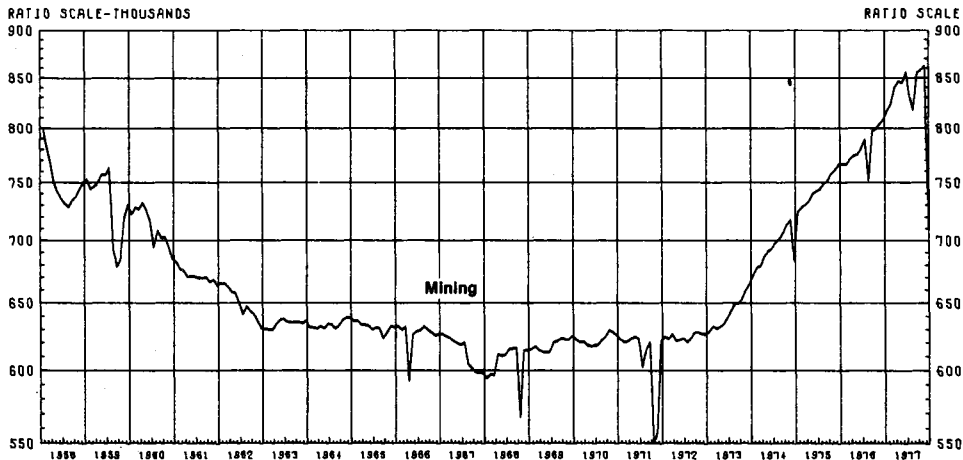
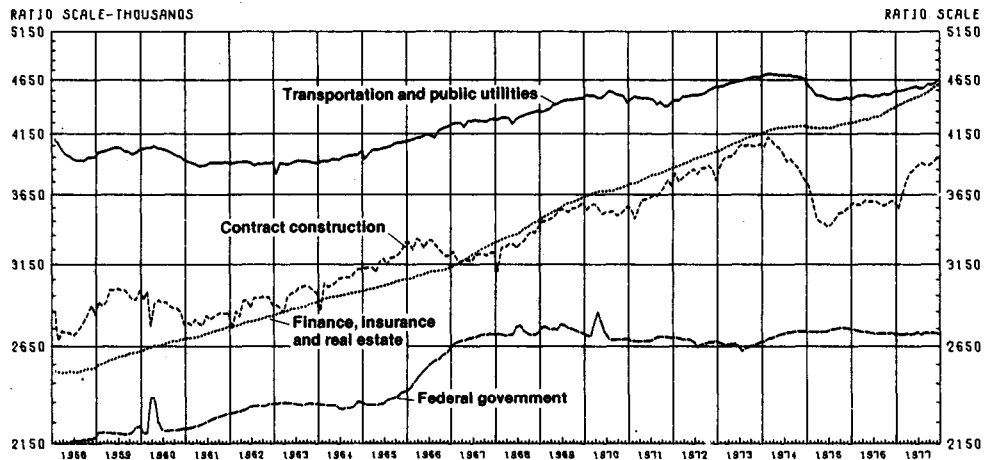
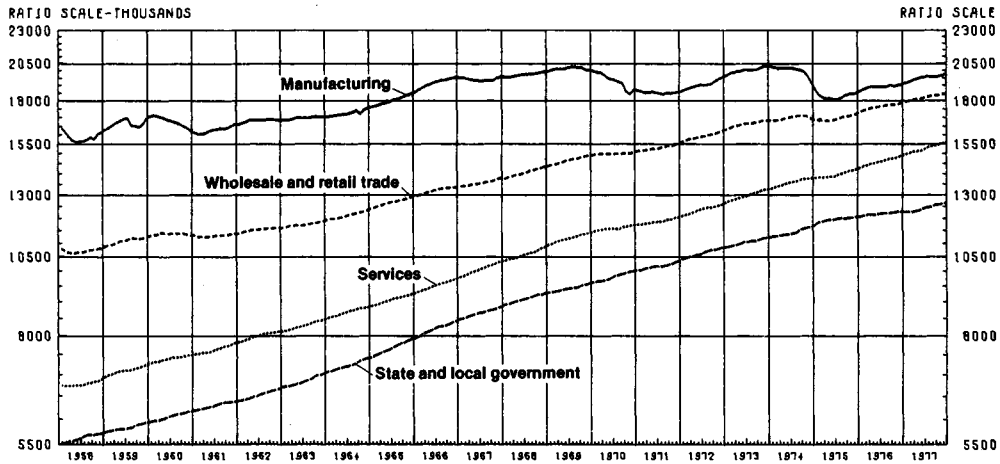
Chart 6. Payroll employment in goods- and service-producing industries



NOTE: Data for two most recent months are preliminary.

SOURCE: Table B-5.

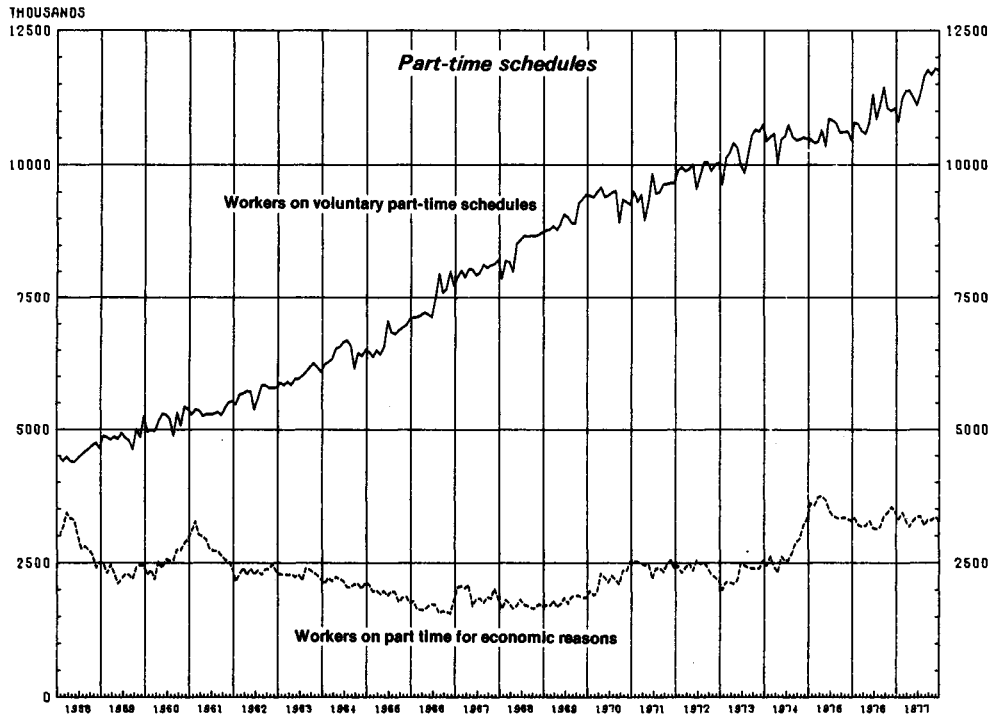
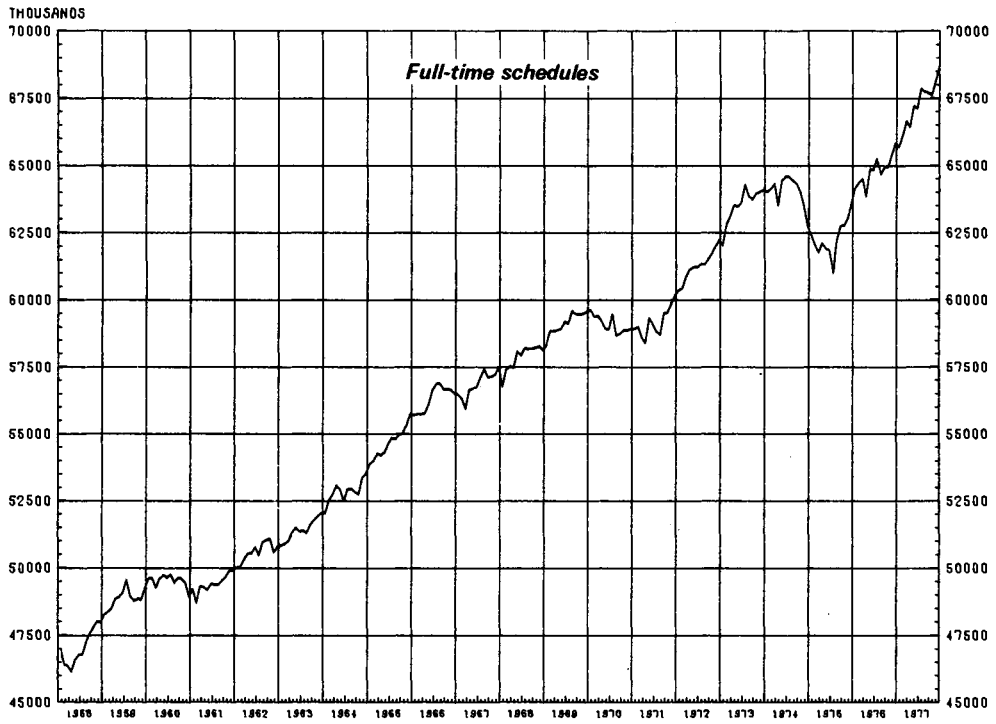
Chart 7. Nonagricultural payroll employment by industry
(Seasonally adjusted)



NOTE: Data for two most recent months are preliminary.

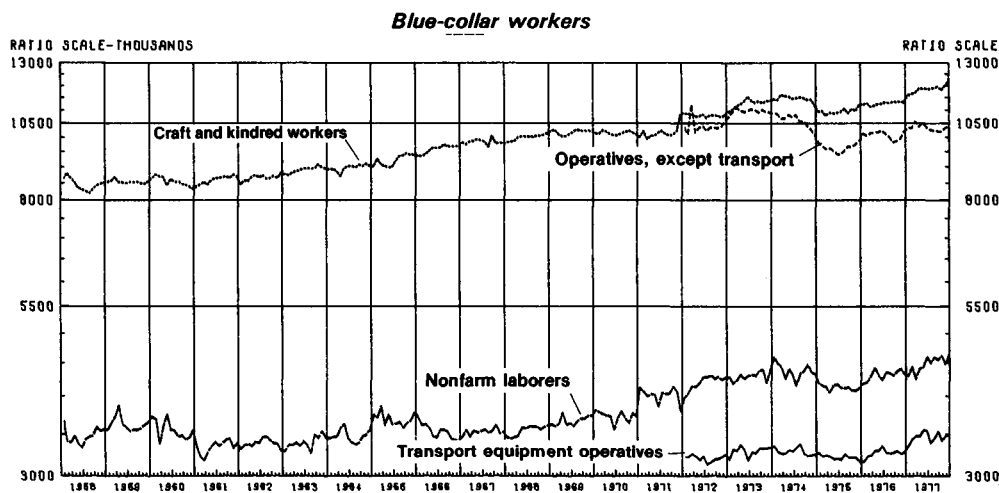
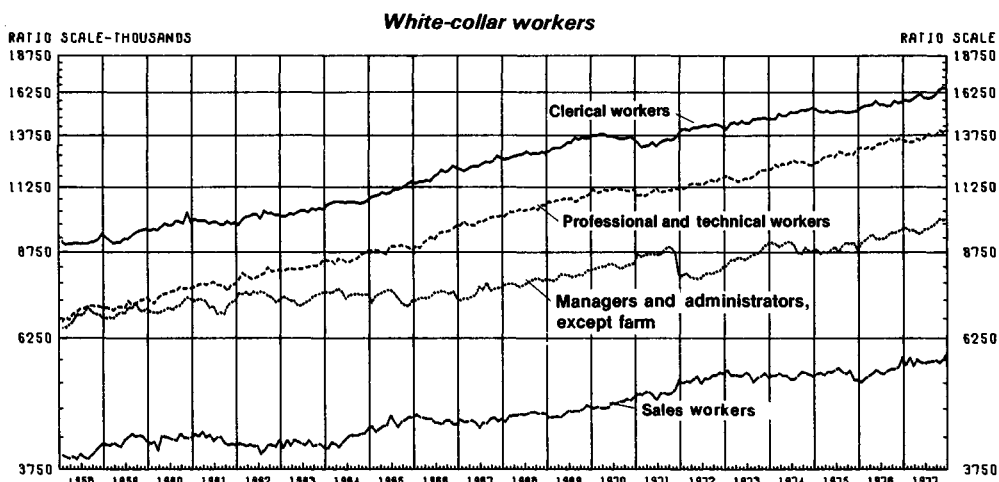
SOURCE: Table B-5.

**Chart 8. Persons at work full and part time
in nonagricultural industries**
(Seasonally adjusted)



SOURCE: Table A-42.

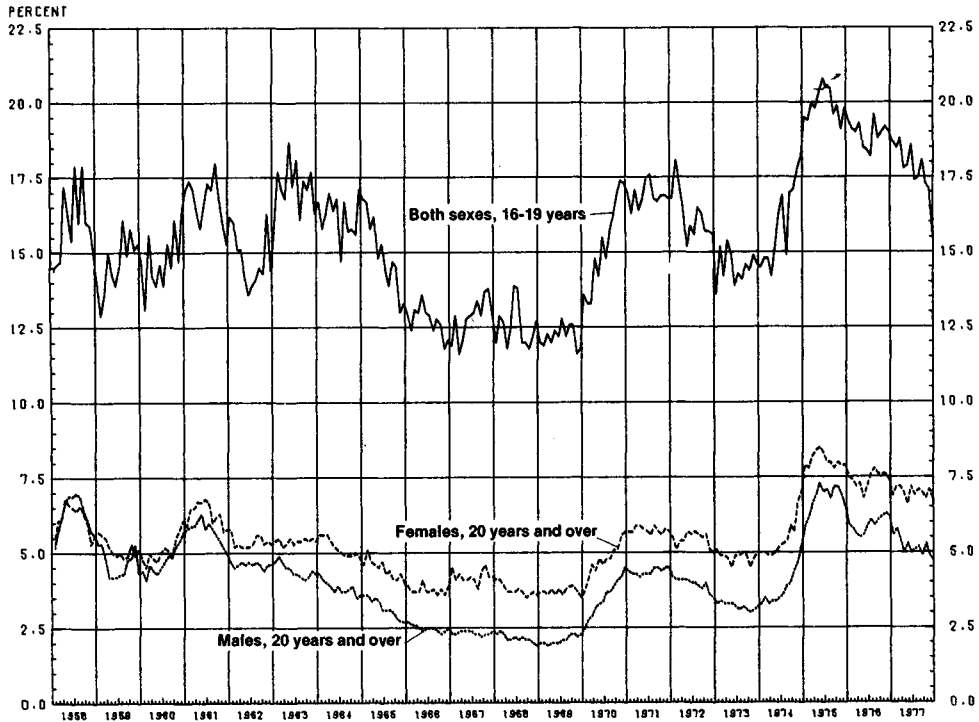
Chart 9. Employment in nonfarm occupations
(Seasonally adjusted)



NOTE: Two breaks in series occurred in 1971 stemming from the reclassification of occupations introduced in January and from a questionnaire change concerning "major activity" introduced in December. See "Changes in occupational classification system" in the Explanatory Notes.

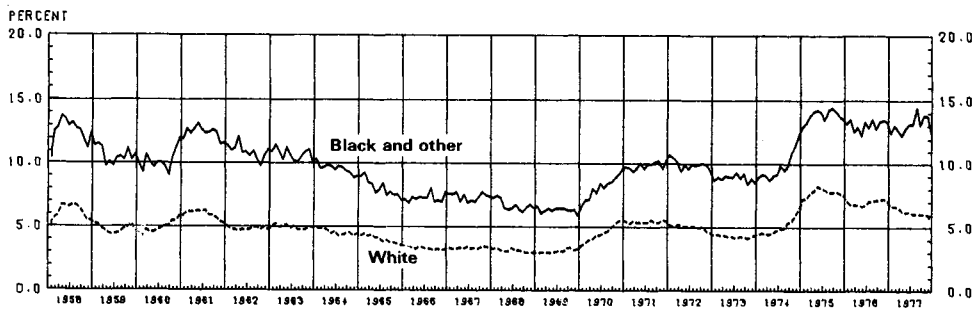
SOURCE: Table A-42.

Chart 10. Unemployment rates by sex and age
(Seasonally adjusted)

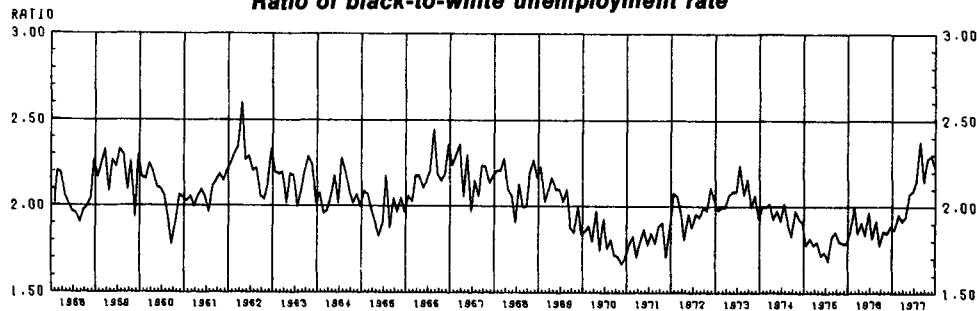


SOURCE: Table A-36.

Chart 11. Unemployment rates by race
(Seasonally adjusted)

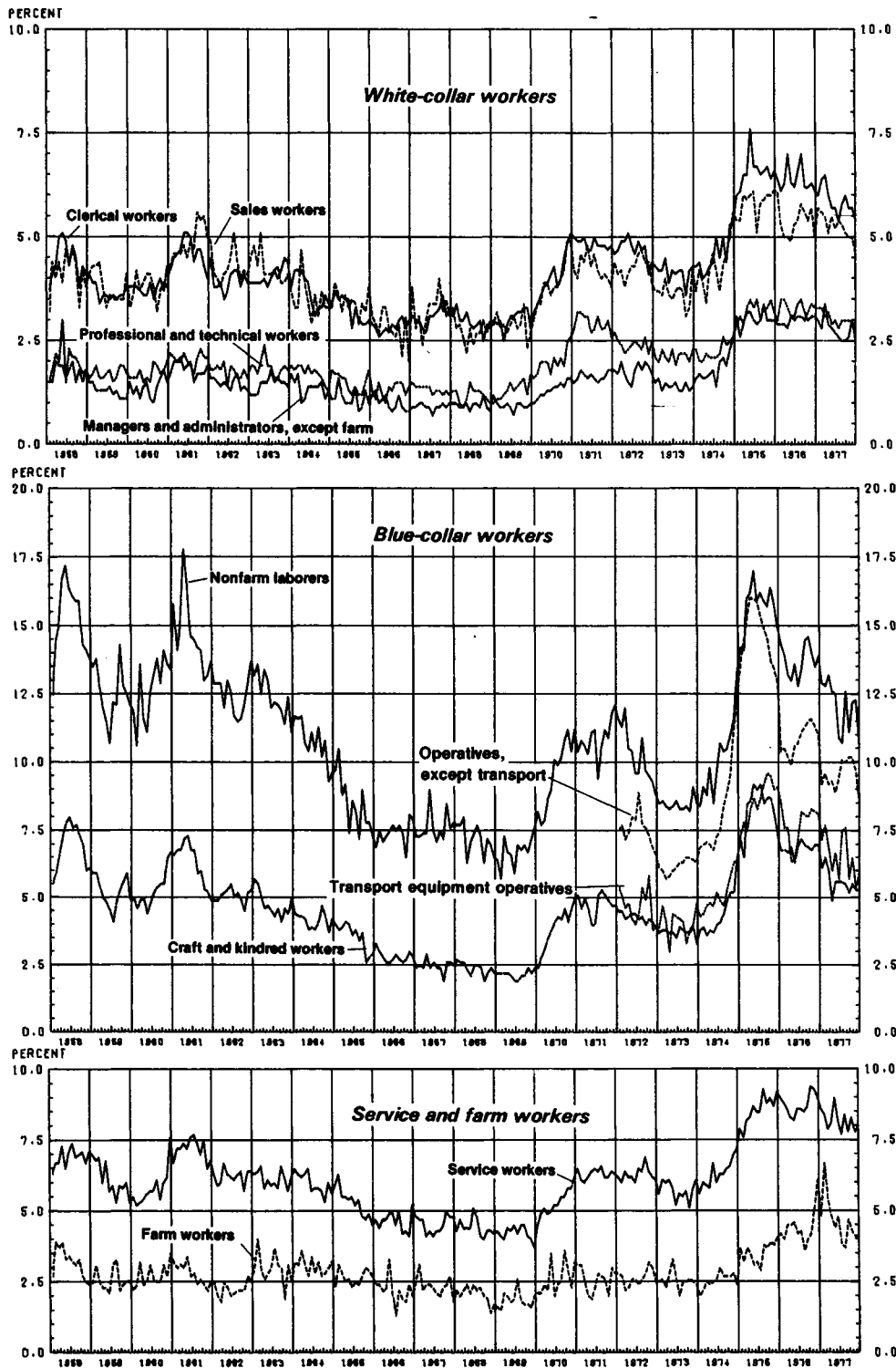


Ratio of black-to-white unemployment rate



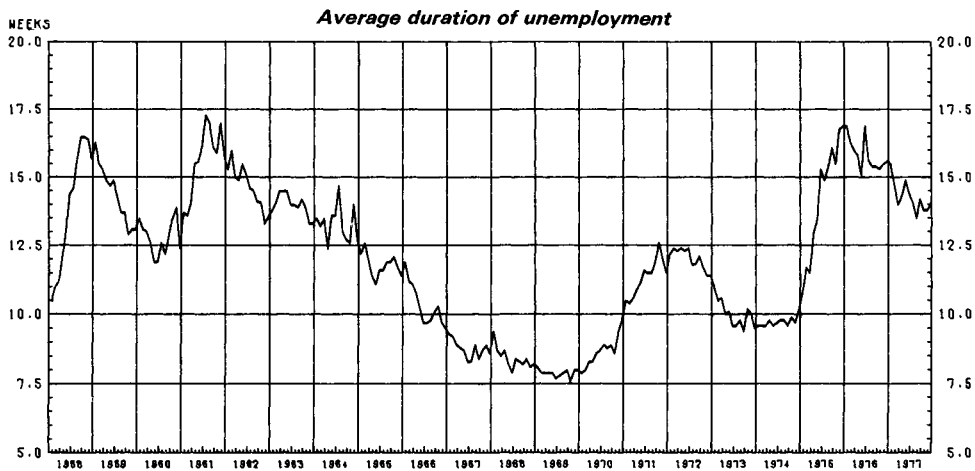
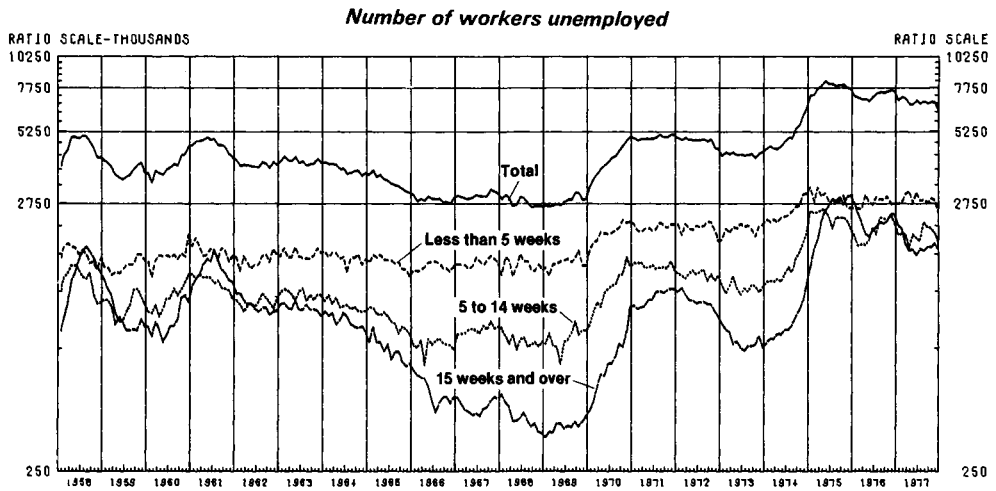
SOURCE: Table A-35.

Chart 12. Unemployment rates by major occupational groups
(Seasonally adjusted)



SOURCE: Table A-36.

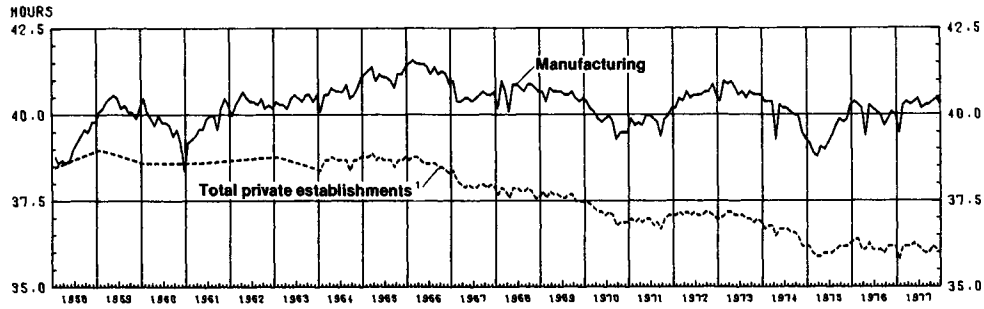
Chart 13. Duration of unemployment
(Seasonally adjusted)



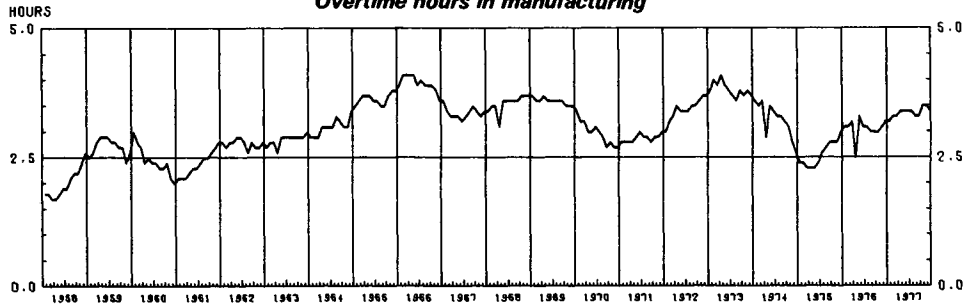
SOURCE: Table A-37.

Chart 14. Average weekly hours in nonagricultural industries

(Seasonally adjusted)



Overtime hours in manufacturing



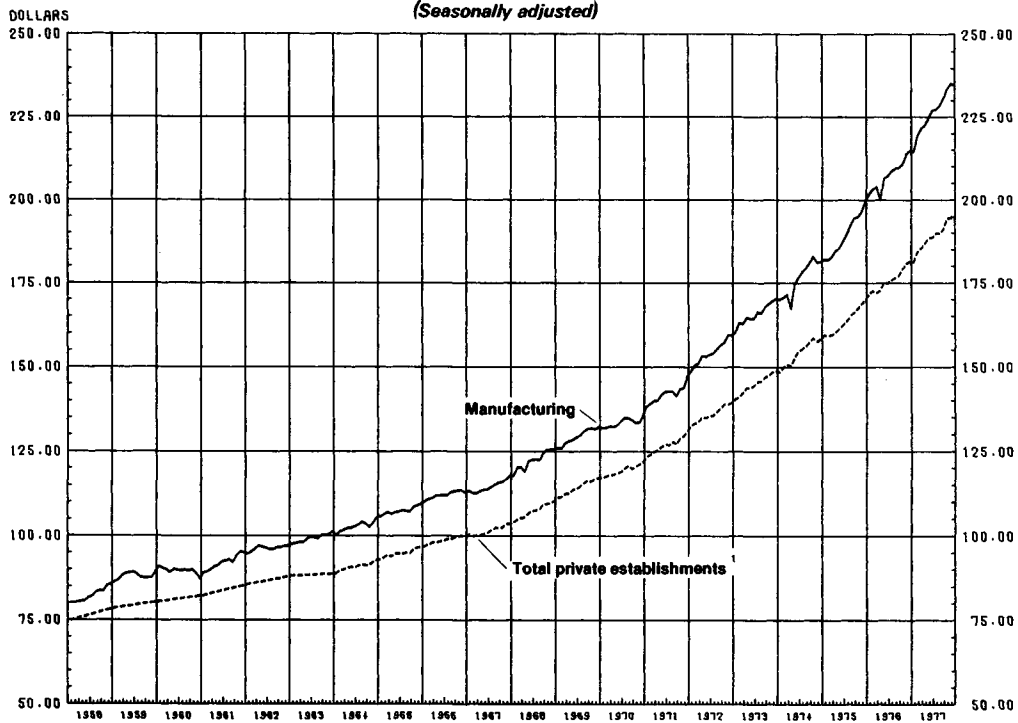
¹ Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Table C-7.

Chart 15. Average weekly earnings in nonagricultural industries

(Seasonally adjusted)

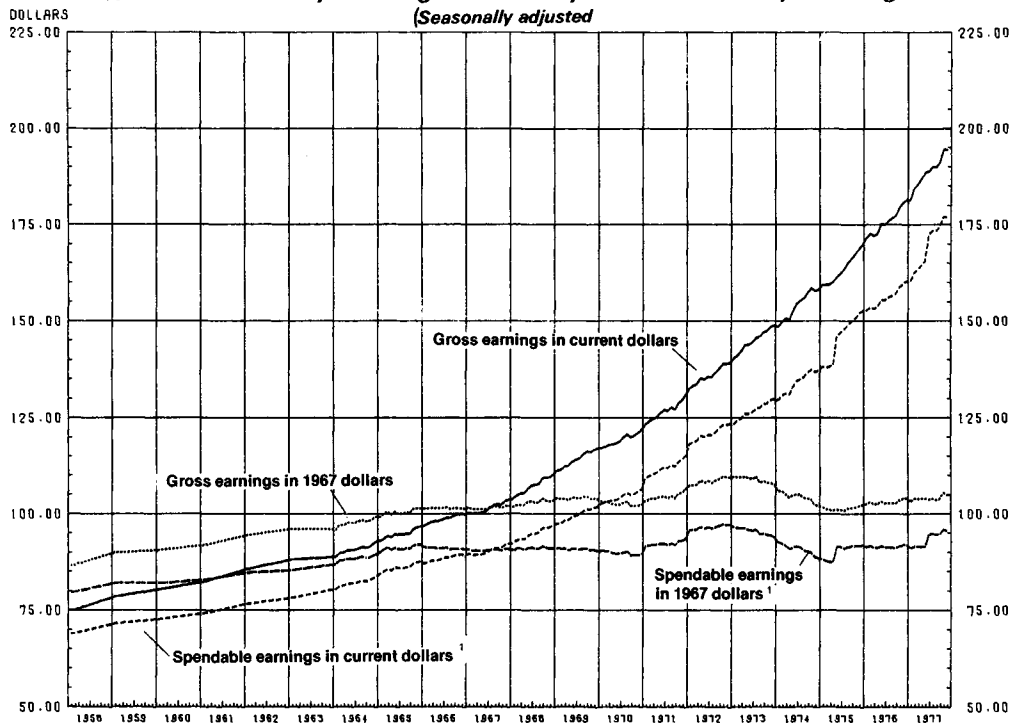


¹ Annual averages prior to 1964.

NOTE: Data for two most recent months are preliminary.

SOURCE: Tables C-7 and C-8.

Chart 16. Total private gross and spendable weekly earnings
(Seasonally adjusted)

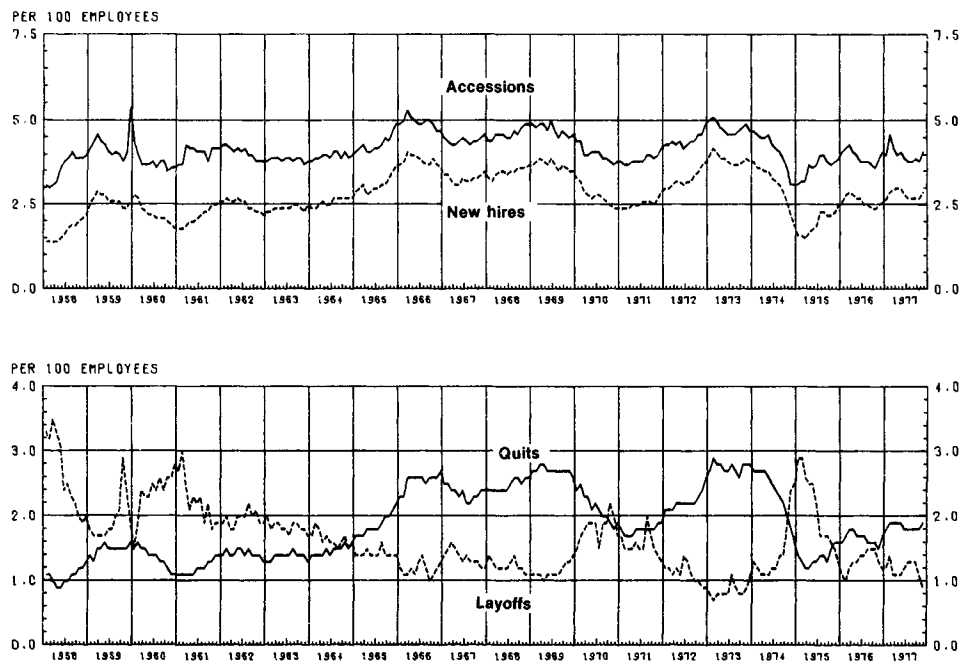


¹ Worker with three dependents.

NOTE: Data prior to 1964 are annual averages. Data for current month are preliminary.

SOURCE: Table C-8.

Chart 17. Labor turnover rates in manufacturing
(Seasonally adjusted)



NOTE: Data for current month are preliminary.

SOURCE: Table D-3.

**HOUSEHOLD DATA
HISTORICAL**

A-1. Employment status of the noninstitutional population 16 years and over, 1947 to date

[Numbers in thousands]

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force	
TOTAL										
Annual averages										
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,021	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953.....	110,601	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,671	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660
1956.....	113,811	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960.....	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962 ¹	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972 ¹	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 ¹	148,263	91,040	61.4	88,714	84,409	3,452	80,957	4,304	4.9	57,222
1974.....	150,827	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587
1975.....	153,449	94,793	61.8	92,613	84,783	3,380	81,403	7,830	8.5	58,655
1976.....	156,048	96,917	62.1	94,773	87,485	3,297	84,188	7,288	7.7	59,130
1977.....	158,559	99,534	62.8	97,401	90,546	3,244	87,302	6,855	7.0	59,025
Monthly data, seasonally adjusted²										
1976:										
December.....	157,176	98,106	62.4	95,960	88,441	3,257	85,184	7,519	7.8	59,071
1977:										
January.....	157,381	97,649	62.0	95,516	88,558	3,090	85,468	6,958	7.3	59,732
February.....	157,584	98,282	62.4	96,145	88,962	3,090	85,872	7,183	7.5	59,302
March.....	157,782	98,677	62.5	96,539	89,475	3,116	86,359	7,064	7.3	59,104
April.....	157,986	98,892	62.6	96,760	90,023	3,260	86,763	6,737	7.0	59,094
May.....	158,228	99,286	62.7	97,158	90,408	3,386	87,022	6,750	6.9	58,943
June.....	158,456	99,770	63.0	97,641	90,679	3,338	87,341	6,962	7.1	58,686
July.....	158,682	99,440	62.7	97,305	90,561	3,213	87,348	6,744	6.9	59,242
August.....	158,899	99,834	62.8	97,697	90,771	3,252	87,519	6,926	7.1	59,064
September.....	159,114	99,999	62.7	97,868	91,095	3,215	87,880	6,773	6.9	58,114
October.....	159,334	100,236	62.9	98,102	91,230	3,272	87,958	6,872	7.0	59,099
November.....	159,522	101,130	63.4	98,998	92,180	3,362	88,818	6,818	6.9	58,391
December.....	159,736	101,055	63.3	98,926	92,589	3,331	89,258	6,337	6.4	58,682

¹ Not strictly comparable with prior years due to the introduction of population adjustments in these years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory Notes.

² Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.

**HOUSEHOLD DATA
HISTORICAL**

A-2. Employment status of the noninstitutional population 16 years and over by sex, 1967 to date

[Numbers in thousands]

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
MALES										
Annual averages										
1967.....	64,316	52,398	81.5	48,937	47,479	3,164	44,315	1,508	3.1	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	12,677
1970.....	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	13,066
1971.....	68,512	54,797	80.0	52,021	49,245	2,790	46,455	2,776	5.3	13,715
1972 ¹	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973.....	71,020	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,341
1974.....	72,253	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975.....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976.....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
1977.....	75,981	59,467	78.3	57,449	53,861	2,639	51,222	3,588	6.2	16,514
Monthly data, seasonally adjusted²										
1976:										
December.....	75,325	58,987	78.3	56,951	52,799	2,624	50,175	4,152	7.3	16,338
1977:										
January.....	75,422	58,654	77.8	56,632	52,918	2,548	50,370	3,714	6.6	16,768
February.....	75,519	58,976	78.1	56,950	53,046	2,546	50,500	3,904	6.9	16,543
March.....	75,610	59,007	78.0	56,982	53,270	2,544	50,726	3,712	6.5	16,603
April.....	75,706	59,060	78.0	57,041	53,575	2,626	50,949	3,466	6.1	16,646
May.....	75,823	59,346	78.3	57,331	53,722	2,724	50,998	3,609	6.3	16,477
June.....	75,932	59,581	78.5	57,567	53,987	2,698	51,289	3,580	6.2	16,351
July.....	76,041	59,457	78.2	57,438	53,900	2,624	51,276	3,538	6.2	16,584
August.....	76,144	59,588	78.2	57,567	53,958	2,675	51,283	3,609	6.3	16,556
September.....	76,246	59,419	77.9	57,405	53,966	2,650	51,316	3,439	6.0	16,827
October.....	76,352	59,929	78.5	57,913	54,266	2,654	51,612	3,647	6.3	16,423
November.....	76,439	60,189	78.7	58,174	54,715	2,677	52,038	3,459	5.9	16,251
December.....	76,541	60,253	78.7	58,242	54,996	2,704	52,292	3,246	5.6	16,289
FEMALES										
Annual averages										
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	40,924
1970.....	72,774	31,560	43.4	31,520	29,667	601	29,066	1,853	5.9	41,214
1971.....	74,084	32,132	43.4	32,091	29,875	598	29,277	2,217	6.9	41,952
1972 ¹	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973 ¹	77,242	34,561	44.7	34,510	32,446	619	31,827	2,064	6.0	42,681
1974.....	78,575	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975.....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976.....	81,309	38,520	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
1977.....	82,577	40,067	48.5	39,952	36,685	605	36,080	3,267	8.2	42,510
Monthly data, seasonally adjusted²										
1976:										
December.....	81,851	39,118	47.8	39,009	35,642	633	35,009	3,367	8.6	42,733
1977:										
January.....	81,959	38,995	47.6	38,884	35,640	542	35,098	3,244	8.3	42,964
February.....	82,065	39,306	47.9	39,195	35,916	544	35,372	3,279	8.4	42,759
March.....	82,172	39,671	48.3	39,557	36,205	572	35,633	3,352	8.5	42,501
April.....	82,280	39,832	48.4	39,719	36,448	634	35,814	3,271	8.2	42,448
May.....	82,405	39,940	48.5	39,827	36,686	662	36,024	3,141	7.9	42,465
June.....	82,524	40,190	48.7	40,074	36,692	640	36,052	3,382	8.4	42,334
July.....	82,642	39,983	48.4	39,867	36,661	589	36,072	3,206	8.0	42,659
August.....	82,755	40,246	48.6	40,130	36,813	577	36,236	3,317	8.3	42,509
September.....	82,868	40,581	49.0	40,463	37,129	565	36,564	3,334	8.2	42,287
October.....	82,983	40,307	48.6	40,189	36,964	618	36,346	3,225	8.0	42,676
November.....	83,082	40,942	49.3	40,824	37,465	685	36,780	3,359	8.2	42,141
December.....	83,195	40,802	49.0	40,684	37,593	627	36,966	3,091	7.6	42,393

¹ Not strictly comparable with prior years due to the introduction of population adjustments in these years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory Notes.

² Because seasonality, by definition, does not exist in population figures, data for "total noninstitutional population" are not seasonally adjusted.

HOUSEHOLD DATA

A-3. Employment status of the noninstitutional population by sex, age, and race

[Numbers in thousands]

Sex, age, and race	December 1977										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	59,654	77.9	57,644	54,524	3,120	5.4	16,887	294	4,682	1,754	10,157
16 to 21 years	8,385	65.8	7,686	6,635	1,052	13.7	4,352	28	3,913	38	373
16 to 19 years	5,046	59.4	4,722	4,010	712	15.1	3,444	18	3,149	21	257
16 to 17 years	1,991	46.9	1,957	1,642	316	16.1	2,252	9	2,127	9	107
18 to 19 years	3,055	71.9	2,765	2,368	397	14.4	1,192	9	1,022	12	149
20 to 64 years	52,690	89.7	51,002	48,694	2,309	4.5	6,067	113	1,530	1,235	3,190
20 to 24 years	8,531	85.1	7,784	7,059	725	9.3	1,497	10	1,184	53	250
25 to 54 years	37,059	94.7	36,120	34,781	1,339	3.7	2,088	51	343	637	1,056
25 to 29 years	8,301	94.6	7,928	7,498	430	5.4	471	--	228	57	186
30 to 34 years	7,381	96.5	7,138	6,842	296	4.1	268	2	58	70	138
35 to 39 years	5,921	96.8	5,728	5,552	176	3.1	195	6	24	59	106
40 to 44 years	5,183	95.4	5,091	4,964	127	2.5	250	12	23	97	118
45 to 49 years	5,177	93.6	5,144	4,977	168	3.3	352	12	11	151	179
50 to 54 years	5,096	90.2	5,090	4,948	142	2.8	552	20	--	203	329
55 to 64 years	7,100	74.1	7,099	6,854	245	3.5	2,482	52	3	544	1,884
55 to 59 years	4,373	83.3	4,372	4,214	158	3.6	874	27	3	269	575
60 to 64 years	2,727	62.9	2,727	2,640	87	3.2	1,608	25	--	275	1,308
65 years and over	1,919	20.6	1,919	1,820	98	5.1	7,376	163	3	499	6,711
65 to 69 years	1,098	29.7	1,098	1,036	62	5.7	2,598	49	--	180	2,369
70 years and over	821	14.7	821	785	36	4.4	4,778	114	3	319	4,342
White											
16 years and over	53,155	78.7	51,510	49,070	2,440	4.7	14,422	256	3,795	1,443	8,928
16 to 21 years	7,372	67.9	6,806	6,021	786	11.5	3,489	25	3,173	25	265
16 to 19 years	4,458	61.8	4,195	3,662	533	12.7	2,758	15	2,548	10	186
16 to 17 years	1,809	50.4	1,782	1,538	243	13.6	1,782	8	1,687	4	83
18 to 19 years	2,649	73.1	2,413	2,124	289	12.0	976	7	860	6	103
20 to 64 years	46,977	90.4	45,595	43,762	1,833	4.0	5,006	94	1,245	1,012	2,655
20 to 24 years	7,439	85.9	6,845	6,290	555	8.1	1,220	10	981	44	184
25 to 54 years	33,062	95.4	32,275	31,200	1,075	3.3	1,583	38	260	501	783
25 to 34 years	13,913	96.1	13,403	12,837	566	4.2	557	3	220	100	235
35 to 44 years	9,886	96.8	9,646	9,401	245	2.5	327	10	32	123	162
45 to 54 years	9,262	93.0	9,227	8,962	265	2.9	699	25	9	279	386
55 to 64 years	6,476	74.6	6,475	6,273	202	3.1	2,203	46	3	467	1,687
55 to 59 years	3,975	83.9	3,974	3,848	126	3.2	764	20	3	234	507
60 to 64 years	2,501	63.5	2,501	2,424	77	3.1	1,439	26	--	233	1,181
65 years and over	1,720	20.5	1,720	1,646	74	4.3	6,658	147	2	421	6,088
Black and other											
16 years and over	6,499	72.5	6,133	5,453	680	11.1	2,465	38	887	311	1,229
16 to 21 years	1,013	54.0	880	614	266	30.3	863	3	740	12	108
16 to 19 years	587	46.2	527	348	180	34.1	685	3	601	11	71
16 to 17 years	181	27.8	176	103	72	41.2	470	2	440	5	24
18 to 19 years	406	65.4	352	244	108	30.6	215	1	161	6	47
20 to 64 years	5,713	84.3	5,407	4,931	476	8.8	1,061	19	286	222	535
20 to 24 years	1,092	79.7	939	769	170	18.1	278	--	202	9	66
25 to 54 years	3,997	88.8	3,844	3,581	263	6.8	504	13	83	136	272
25 to 34 years	1,769	90.7	1,663	1,504	160	9.6	181	--	66	27	88
35 to 44 years	1,217	91.1	1,174	1,115	58	5.0	119	7	15	34	62
45 to 54 years	1,011	83.2	1,007	963	44	4.4	205	7	1	75	122
55 to 64 years	624	69.1	624	581	43	6.9	280	6	--	77	196
55 to 59 years	398	78.2	398	366	32	8.1	111	7	--	35	69
60 to 64 years	226	57.3	226	215	11	4.7	169	--	--	42	128
65 years and over	199	21.7	199	175	24	12.0	718	16	--	79	623

HOUSEHOLD DATA

A-3. Employment status of the noninstitutional population by sex, age, and race—Continued

(Numbers in thousands)

Sex, age, and race	December 1977										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	40,977	49.3	40,859	38,099	2,760	6.8	42,218	33,494	4,552	968	3,204
16 to 21 years	6,837	54.8	6,789	5,941	848	12.5	5,644	1,472	3,847	24	302
16 to 19 years	4,169	50.2	4,151	3,570	581	14.0	4,143	685	3,230	15	213
16 to 17 years	1,691	41.1	1,690	1,411	279	16.5	2,420	172	2,163	6	79
18 to 19 years	2,478	59.0	2,461	2,158	302	12.3	1,723	513	1,067	9	134
20 to 64 years	35,707	57.9	35,607	33,475	2,133	6.0	25,950	22,929	1,316	386	1,318
20 to 24 years	6,726	67.2	6,662	6,039	623	9.4	3,289	2,152	906	17	214
25 to 54 years	24,501	59.9	24,466	23,134	1,332	5.4	16,429	15,129	396	213	690
25 to 29 years	5,642	63.1	5,618	5,206	412	7.3	3,301	2,968	191	22	120
30 to 34 years	4,599	58.6	4,593	4,331	262	5.7	3,254	3,034	79	21	119
35 to 39 years	3,933	61.1	3,931	3,729	202	5.1	2,509	2,351	44	24	90
40 to 44 years	3,529	61.5	3,527	3,358	169	4.8	2,212	2,048	30	34	100
45 to 49 years	3,452	59.1	3,451	3,316	135	3.9	2,385	2,176	34	45	130
50 to 54 years	3,346	54.7	3,346	3,194	152	4.5	2,768	2,553	18	66	131
55 to 64 years	4,479	41.8	4,479	4,302	177	4.0	6,232	5,648	13	157	414
55 to 59 years	2,842	49.3	2,842	2,735	107	3.8	2,924	2,683	10	77	154
60 to 64 years	1,637	33.1	1,637	1,567	70	4.3	3,308	2,965	4	80	260
65 years and over	1,101	8.3	1,101	1,055	46	4.1	12,125	9,880	7	566	1,673
65 to 69 years	683	14.7	683	645	38	5.6	3,977	3,443	3	97	435
70 years and over	418	4.9	418	411	7	1.7	8,148	6,437	5	469	1,238
White											
16 years and over	35,464	48.8	35,369	33,304	2,065	5.8	37,222	30,060	3,625	762	2,775
16 to 21 years	6,033	57.2	5,993	5,408	585	9.8	4,516	1,193	3,068	16	239
16 to 19 years	3,738	53.3	3,722	3,304	418	11.2	3,275	556	2,541	11	167
16 to 17 years	1,551	44.9	1,551	1,333	218	14.0	1,907	143	1,693	6	64
18 to 19 years	2,186	61.5	2,172	1,971	200	9.2	1,368	413	848	5	102
20 to 64 years	30,765	57.3	30,686	29,080	1,606	5.2	22,903	20,438	1,077	286	1,103
20 to 24 years	5,774	67.9	5,722	5,309	413	7.2	2,735	1,813	750	13	159
25 to 54 years	20,992	59.1	20,964	19,931	1,033	4.9	14,522	13,491	314	149	569
25 to 34 years	8,670	60.0	8,646	8,161	485	5.6	5,784	5,343	206	34	202
35 to 44 years	6,372	60.5	6,369	6,067	302	4.7	4,158	3,909	60	38	152
45 to 54 years	5,950	56.5	5,949	5,703	246	4.1	4,579	4,239	48	77	215
55 to 64 years	3,999	41.5	3,999	3,839	160	4.0	5,647	5,134	13	124	375
55 to 59 years	2,528	48.8	2,528	2,433	95	3.8	2,649	2,436	9	59	145
60 to 64 years	1,471	32.9	1,471	1,406	65	4.4	2,997	2,698	4	65	230
65 years and over	961	8.0	961	920	41	4.3	11,044	9,066	7	465	1,505
Black and other											
16 years and over	5,513	52.5	5,491	4,795	695	12.7	4,995	3,433	928	205	429
16 to 21 years	804	41.6	796	532	263	33.1	1,128	279	779	8	62
16 to 19 years	432	33.2	429	265	164	38.1	868	129	689	4	47
16 to 17 years	140	21.4	140	78	62	44.1	513	29	469	--	15
18 to 19 years	292	45.1	289	187	102	35.2	355	100	219	4	32
20 to 64 years	4,941	61.9	4,922	4,395	527	10.7	3,047	2,491	239	101	215
20 to 24 years	953	63.2	940	730	210	22.4	554	339	155	5	55
25 to 54 years	3,509	64.8	3,502	3,203	299	8.5	1,907	1,639	83	64	121
25 to 34 years	1,571	67.1	1,565	1,375	189	12.1	770	658	65	10	38
35 to 44 years	1,089	65.9	1,089	1,020	69	6.4	563	490	14	21	37
45 to 54 years	848	59.7	848	807	40	4.7	573	490	4	33	46
55 to 64 years	480	45.1	480	463	18	3.7	586	514	--	32	39
55 to 59 years	314	53.3	314	302	12	3.9	275	247	--	18	9
60 to 64 years	166	34.8	166	160	6	3.3	311	267	--	14	30
65 years and over	140	11.5	140	135	5	3.3	1,081	814	--	100	167

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A-4. Labor force by sex, age, and race

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977
MALES								
16 years and over	58,408	59,654	77.5	77.9	56,371	57,644	76.9	77.3
16 to 19 years	4,857	5,046	57.2	59.4	4,516	4,722	55.4	57.8
16 to 17 years	1,861	1,991	44.0	46.9	1,827	1,957	43.5	46.5
18 to 19 years	2,996	3,055	70.4	71.9	2,689	2,765	68.1	69.9
20 to 24 years	8,458	8,531	86.1	85.1	7,702	7,784	84.9	83.9
25 to 54 years	36,300	37,059	94.4	94.7	35,362	36,120	94.2	94.5
25 to 34 years	15,194	15,682	95.3	95.5	14,584	15,066	95.1	95.3
35 to 44 years	10,761	11,104	95.7	96.1	10,472	10,819	95.6	96.0
45 to 54 years	10,345	10,273	91.7	91.9	10,306	10,234	91.7	91.9
55 to 64 years	6,978	7,100	73.9	74.1	6,977	7,099	73.9	74.1
55 to 59 years	4,278	4,373	83.4	83.3	4,277	4,372	83.4	83.3
60 to 64 years	2,700	2,727	62.7	62.9	2,700	2,727	62.7	62.9
65 years and over	1,815	1,919	19.9	20.6	1,815	1,919	19.9	20.6
White								
16 years and over	52,133	53,155	78.3	78.7	50,445	51,510	77.7	78.1
16 to 19 years	4,320	4,458	59.7	61.8	4,034	4,195	58.0	60.3
16 to 17 years	1,696	1,809	47.2	50.4	1,667	1,782	46.8	50.0
18 to 19 years	2,624	2,649	72.0	73.1	2,368	2,413	69.9	71.2
20 to 24 years	7,387	7,439	86.8	85.9	6,780	6,845	85.8	84.9
25 to 54 years	32,399	33,062	95.0	95.4	31,605	32,275	94.9	95.3
25 to 34 years	13,499	13,913	95.9	96.1	12,986	13,403	95.7	96.0
35 to 44 years	9,576	9,886	96.3	96.8	9,330	9,646	96.2	96.7
45 to 54 years	9,323	9,262	92.5	93.0	9,288	9,227	92.5	93.0
55 to 64 years	6,372	6,476	74.5	74.6	6,371	6,475	74.5	74.6
55 to 59 years	3,897	3,975	83.9	83.9	3,896	3,974	83.9	83.9
60 to 64 years	2,475	2,501	63.3	63.5	2,475	2,501	63.3	63.5
65 years and over	1,655	1,720	20.2	20.5	1,655	1,720	20.2	20.5
Black and other								
16 years and over	6,275	6,499	72.0	72.5	5,926	6,133	70.8	71.3
16 to 19 years	537	587	42.8	46.2	482	527	40.2	43.5
16 to 17 years	165	181	25.7	27.8	161	176	25.2	27.2
18 to 19 years	372	406	60.8	65.4	321	352	57.2	62.0
20 to 24 years	1,071	1,092	81.4	79.7	922	939	79.0	77.2
25 to 54 years	3,901	3,997	89.2	88.8	3,757	3,844	88.9	88.4
25 to 34 years	1,695	1,769	90.8	90.7	1,598	1,663	90.3	90.2
35 to 44 years	1,184	1,217	91.0	91.1	1,142	1,174	90.7	90.8
45 to 54 years	1,021	1,011	84.9	83.2	1,018	1,007	84.9	83.1
55 to 64 years	605	624	68.6	69.1	605	624	68.6	69.1
55 to 59 years	381	398	77.9	78.2	381	398	77.9	78.2
60 to 64 years	225	226	56.9	57.3	225	226	56.9	57.3
65 years and over	160	199	18.0	21.7	160	199	18.0	21.7

A-4. Labor force by sex, age, and race—Continued

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977
FEMALES								
16 years and over	39,255	40,977	48.0	49.3	39,145	40,859	47.9	49.2
16 to 19 years	3,996	4,169	48.1	50.2	3,977	4,151	47.9	50.1
16 to 17 years	1,584	1,691	38.5	41.1	1,583	1,690	38.5	41.1
18 to 19 years	2,412	2,478	57.3	59.0	2,394	2,461	57.1	58.8
20 to 24 years	6,378	6,726	65.0	67.2	6,317	6,662	64.8	67.0
25 to 54 years	23,417	24,501	58.2	59.9	23,387	24,466	58.1	59.8
25 to 34 years	9,626	10,242	59.0	61.0	9,601	10,211	58.9	60.9
35 to 44 years	7,039	7,461	59.3	61.2	7,036	7,458	59.3	61.2
45 to 54 years	6,752	6,798	55.9	56.9	6,750	6,797	55.9	56.9
55 to 64 years	4,391	4,479	41.6	41.8	4,391	4,479	41.6	41.8
55 to 59 years	2,729	2,842	48.4	49.3	2,729	2,842	48.4	49.3
60 to 64 years	1,662	1,637	33.8	33.1	1,662	1,637	33.8	33.1
65 years and over	1,073	1,101	8.3	8.3	1,073	1,101	8.3	8.3
White								
16 years and over	34,165	35,464	47.7	48.8	34,076	35,369	47.6	48.7
16 to 19 years	3,636	3,738	51.7	53.3	3,619	3,722	51.6	53.2
16 to 17 years	1,487	1,551	43.0	44.9	1,486	1,551	42.9	44.9
18 to 19 years	2,149	2,186	60.2	61.5	2,133	2,172	60.0	61.3
20 to 24 years	5,549	5,774	66.4	67.9	5,500	5,722	66.2	67.7
25 to 54 years	20,123	20,992	57.5	59.1	20,099	20,964	57.5	59.1
25 to 34 years	8,164	8,670	58.0	60.0	8,143	8,646	58.0	59.9
35 to 44 years	6,017	6,372	58.7	60.5	6,014	6,369	58.7	60.5
45 to 54 years	5,942	5,950	55.6	56.5	5,941	5,949	55.6	56.5
55 to 64 years	3,933	3,999	41.3	41.5	3,933	3,999	41.3	41.5
55 to 59 years	2,437	2,528	48.0	48.8	2,437	2,528	48.0	48.8
60 to 64 years	1,496	1,471	33.7	32.9	1,496	1,471	33.7	32.9
65 years and over	924	961	7.9	8.0	924	961	7.9	8.0
Black and other								
16 years and over	5,089	5,513	49.9	52.5	5,070	5,491	49.8	52.4
16 to 19 years	361	432	28.1	33.2	358	429	27.9	33.1
16 to 17 years	97	140	15.0	21.4	97	140	15.0	21.4
18 to 19 years	264	292	41.4	45.1	261	289	41.2	44.9
20 to 24 years	829	953	57.0	63.2	817	940	56.7	62.9
25 to 54 years	3,294	3,509	62.7	64.8	3,289	3,502	62.7	64.8
25 to 34 years	1,462	1,571	65.3	67.1	1,457	1,565	65.2	67.0
35 to 44 years	1,022	1,089	63.6	65.9	1,022	1,089	63.6	65.9
45 to 54 years	809	848	57.5	59.7	809	848	57.5	59.6
55 to 64 years	458	480	44.0	45.1	458	480	44.0	45.1
55 to 59 years	292	314	51.6	53.3	292	314	51.6	53.3
60 to 64 years	166	166	35.0	34.8	166	166	35.0	34.8
65 years and over	148	140	12.6	11.5	148	140	12.6	11.5

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A-5. Employment status of black workers by sex and age

[Numbers in thousands]

Sex and age	December 1977						Not in labor force	
	Civilian labor force					Percent of labor force		
	Total	Employed			Unemployed			
		Total	Agri-culture	Nonagri-cultural industries	Number			
Total								
16 years and over	10,023	8,751	225	8,527	1,272	12.7	6,467	
16 to 19 years	846	521	11	510	324	38.3	1,387	
16 to 17 years	276	152	7	145	124	44.9	891	
18 to 19 years	570	370	4	366	200	35.2	496	
20 to 24 years	1,642	1,296	9	1,287	347	21.1	699	
25 to 54 years	6,244	5,722	134	5,587	522	8.4	2,010	
25 to 34 years	2,715	2,385	66	2,318	331	12.2	760	
35 to 44 years	1,948	1,832	31	1,802	116	5.9	568	
45 to 54 years	1,581	1,505	37	1,467	77	4.8	681	
55 to 64 years	982	930	41	888	52	5.3	776	
55 to 59 years	633	593	21	573	40	6.3	342	
60 to 64 years	349	336	21	315	13	3.6	434	
65 years and over	309	283	29	254	26	8.3	1,595	
Males								
16 years and over	5,259	4,628	194	4,434	631	12.0	2,145	
16 to 19 years	477	307	12	296	169	35.5	598	
16 to 17 years	164	96	8	88	68	41.3	417	
18 to 19 years	313	211	4	207	102	32.5	180	
20 to 24 years	820	663	7	656	156	19.1	226	
25 to 54 years	3,254	3,006	121	2,885	248	7.6	434	
25 to 34 years	1,385	1,232	60	1,172	154	11.1	151	
35 to 44 years	1,011	957	26	931	54	5.3	98	
45 to 54 years	858	818	35	783	40	4.7	185	
55 to 64 years	537	501	30	471	36	6.7	262	
55 to 59 years	341	312	15	297	29	8.5	107	
60 to 64 years	197	190	15	175	7	3.7	156	
65 years and over	171	150	25	125	21	12.3	624	
Females								
16 years and over	4,764	4,123	30	4,093	641	13.4	4,322	
16 to 19 years	369	214	1	215	155	41.9	790	
16 to 17 years	112	56	--	56	56	50.1	473	
18 to 19 years	257	158	--	158	99	38.4	316	
20 to 24 years	823	632	2	631	190	23.1	472	
25 to 54 years	2,990	2,715	13	2,702	274	9.2	1,575	
25 to 34 years	1,330	1,153	6	1,147	177	13.3	610	
35 to 44 years	937	876	5	871	62	6.6	470	
45 to 54 years	723	687	2	685	36	5.0	495	
55 to 64 years	445	428	11	417	16	3.7	514	
55 to 59 years	292	282	6	276	11	3.7	236	
60 to 64 years	152	147	6	141	6	3.6	278	
65 years and over	138	133	4	129	5	3.3	971	

NOTE: According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.

A-6. Employment status of the noninstitutional population by sex, age, and race

(Numbers in thousands)

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977
	TOTAL							
Total noninstitutional population	157,176	159,736	66,835	68,052	73,535	74,883	16,806	16,802
Total labor force	97,662	100,632	53,550	54,609	35,258	36,808	8,853	9,215
Percent of population	62.1	63.0	80.1	80.2	47.9	49.2	52.7	54.8
Civilian labor force	95,517	98,503	51,855	52,921	35,168	36,708	8,493	8,873
Employed	88,494	92,623	48,727	50,514	32,831	34,530	6,935	7,580
Agriculture	2,850	2,914	2,125	2,192	452	436	273	286
Nonagricultural industries	85,645	89,710	46,603	48,322	32,379	34,094	6,663	7,293
Unemployed	7,022	5,880	3,128	2,407	2,337	2,179	1,558	1,294
Percent of labor force	7.4	6.0	6.0	4.5	6.6	5.9	18.3	14.6
Not in labor force	59,514	59,105	13,285	13,443	38,276	38,075	7,953	7,587
White								
Total noninstitutional population	138,253	140,264	59,375	60,361	64,610	65,673	14,268	14,230
Total labor force	86,298	88,619	47,813	48,697	30,530	31,726	7,956	8,196
Percent of population	62.4	63.2	80.5	80.7	47.3	48.3	55.8	57.6
Civilian labor force	84,521	86,879	46,411	47,315	30,456	31,647	7,654	7,917
Employed	78,889	82,375	43,890	45,408	28,628	30,000	6,371	6,967
Agriculture	2,619	2,646	1,938	1,978	418	397	263	271
Nonagricultural industries	76,270	79,729	41,952	43,430	28,210	29,603	6,108	6,696
Unemployed	5,632	4,505	2,521	1,907	1,828	1,647	1,283	950
Percent of labor force	6.7	5.2	5.4	4.0	6.0	5.2	16.8	12.0
Not in labor force	51,955	51,644	11,562	11,664	34,080	33,947	6,312	6,033
Black and other								
Total noninstitutional population	18,923	19,473	7,460	7,691	8,925	9,209	2,538	2,572
Total labor force	11,364	12,012	5,737	5,912	4,729	5,081	898	1,019
Percent of population	60.1	61.7	76.9	76.9	53.0	55.2	35.4	39.6
Civilian labor force	10,996	11,624	5,445	5,606	4,712	5,062	839	956
Employed	9,605	10,249	4,838	5,106	4,203	4,530	564	613
Agriculture	231	268	187	214	34	38	10	16
Nonagricultural industries	9,375	9,981	4,651	4,892	4,196	4,492	554	597
Unemployed	1,390	1,375	607	500	508	532	275	343
Percent of labor force	12.6	11.8	11.2	8.9	10.8	10.5	32.7	35.9
Not in labor force	7,559	7,460	1,722	1,779	4,196	4,128	1,641	1,553

A-7. Employment status of the noninstitutional population 16-21 years of age by race and sex

(Numbers in thousands)

Employment status	December 1977								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Total noninstitutional population	25,218	12,737	12,481	21,409	10,860	10,548	3,809	1,877	1,932
Total labor force	15,222	8,385	6,837	13,405	7,372	6,033	1,817	1,013	804
Percent of population	60.4	65.8	54.8	62.6	67.9	57.2	47.7	54.0	41.6
Civilian labor force	14,475	7,686	6,789	12,799	6,806	5,993	1,676	880	796
Employed	12,575	6,635	5,941	11,429	6,021	5,408	1,146	614	532
Agriculture	403	351	53	385	332	53	19	19	--
Nonagricultural industries	12,172	6,284	5,888	11,044	5,689	5,355	1,128	595	533
Unemployed	1,900	1,052	848	1,370	786	585	530	266	263
Percent of labor force	13.1	13.7	12.5	10.7	11.5	9.8	31.6	30.3	33.1
Looking for full-time work	1,132	637	495	806	478	327	326	159	167
Looking for part-time work	768	415	353	564	307	257	203	107	96
Not in labor force	9,996	4,352	5,644	8,004	3,489	4,516	1,992	863	1,128
MAJOR ACTIVITY: GOING TO SCHOOL									
Civilian labor force	4,447	2,350	2,097	3,965	2,097	1,868	482	253	229
Employed	3,739	1,945	1,793	3,444	1,796	1,649	294	150	145
Agriculture	101	91	10	96	86	10	5	5	--
Nonagricultural industries	3,637	1,845	1,783	3,348	1,710	1,639	289	144	145
Unemployed	708	405	304	520	301	219	188	104	84
Percent of labor force	15.9	17.2	14.5	13.1	14.4	11.7	39.0	40.9	36.8
Looking for full-time work	65	39	26	43	26	17	21	13	8
Looking for part-time work	644	365	278	477	275	202	167	91	76
Not in labor force	7,760	3,913	3,847	6,241	3,173	3,068	1,519	740	779
MAJOR ACTIVITY: OTHER									
Civilian labor force	10,028	5,336	4,692	8,834	4,710	4,125	1,194	627	567
Employed	8,837	4,689	4,147	7,985	4,225	3,760	852	464	388
Agriculture	302	259	43	289	246	44	14	14	--
Nonagricultural industries	8,535	4,430	4,105	7,695	3,979	3,716	839	451	389
Unemployed	1,192	647	544	850	484	365	342	163	179
Percent of labor force	11.9	12.1	11.6	9.6	10.3	8.9	28.6	25.9	31.6
Looking for full-time work	1,067	598	469	762	452	310	305	146	159
Looking for part-time work	124	49	75	87	33	55	37	17	20
Not in labor force	2,236	439	1,797	1,763	316	1,448	473	123	349

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A-8. Full- and part-time status of the civilian labor force by sex, age, and race

[Numbers in thousands]

Race, sex, and age	December 1977								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Both sexes, 16 years and over	82,918	75,122	3,233	4,563	5.5	15,585	14,269	1,316	8.4
16 to 21 years	8,649	6,750	767	1,132	13.1	5,826	5,059	768	13.2
16 to 19 years	4,174	3,095	447	632	15.1	4,699	4,037	662	14.1
16 to 17 years	684	439	103	142	20.7	2,963	2,511	453	15.3
18 to 19 years	3,490	2,656	344	490	14.0	1,736	1,526	209	12.0
20 years and over	78,744	72,027	2,785	3,931	5.0	10,886	10,232	654	6.0
20 to 24 years	12,329	10,515	661	1,153	9.4	2,118	1,922	195	9.2
25 years and over	66,415	61,512	2,124	2,778	4.2	8,768	8,310	459	5.2
25 to 54 years	54,710	50,669	1,660	2,381	4.4	5,875	5,586	289	4.9
55 years and over	11,704	10,842	466	397	3.4	2,894	2,723	169	5.8
Males, 16 years and over	52,316	48,256	1,537	2,523	4.8	5,328	4,731	597	11.2
16 to 21 years	4,811	3,800	373	637	13.2	2,876	2,461	415	14.4
16 to 19 years	2,324	1,757	217	351	15.1	2,398	2,036	362	15.1
20 years and over	49,991	46,499	1,320	2,172	4.3	2,930	2,695	235	8.0
20 to 24 years	6,942	5,971	335	635	9.1	842	752	90	10.7
25 years and over	43,049	40,528	985	1,537	3.6	2,088	1,943	145	6.9
25 to 54 years	35,307	33,281	746	1,282	3.6	813	756	57	7.0
55 years and over	7,743	7,248	239	256	3.3	1,275	1,188	88	6.9
Females, 16 years and over	30,603	26,866	1,696	2,040	6.7	10,257	9,537	720	7.0
16 to 21 years	3,838	2,950	394	495	12.9	2,951	2,597	353	12.0
16 to 19 years	1,850	1,339	230	281	15.2	2,301	2,001	300	13.0
20 years and over	28,752	25,528	1,465	1,759	6.1	7,956	7,537	419	5.3
20 to 24 years	5,387	4,544	325	518	9.6	1,275	1,170	105	8.3
25 years and over	23,365	20,984	1,140	1,241	5.3	6,681	6,367	314	4.7
25 to 54 years	19,403	17,390	914	1,100	5.7	5,063	4,830	232	4.6
55 years and over	3,963	3,595	227	141	3.6	1,618	1,536	82	5.1
White									
Males, 16 years and over	46,768	43,513	1,261	1,993	4.3	4,742	4,296	446	9.4
16 to 21 years	4,233	3,451	304	478	11.3	2,574	2,266	307	11.9
16 to 19 years	2,044	1,601	185	259	12.7	2,151	1,877	274	12.7
20 years and over	44,723	41,913	1,076	1,735	3.9	2,592	2,420	172	6.7
20 to 24 years	6,096	5,326	281	490	8.0	749	684	65	8.7
25 years and over	38,627	36,587	795	1,245	3.2	1,843	1,736	107	5.8
25 to 54 years	31,568	29,929	609	1,031	3.3	707	662	45	6.4
55 years and over	7,059	6,658	187	214	3.0	1,136	1,073	63	5.5
Females, 16 years and over	26,118	23,228	1,385	1,505	5.8	9,251	8,691	560	6.1
16 to 21 years	3,351	2,681	343	327	9.8	2,642	2,385	257	9.7
16 to 19 years	1,643	1,237	211	196	11.9	2,079	1,857	222	10.7
20 years and over	24,475	21,991	1,175	1,309	5.3	7,172	6,834	338	4.7
20 to 24 years	4,604	3,990	275	338	7.3	1,119	1,044	75	6.7
25 years and over	19,871	18,001	900	971	4.9	6,053	5,790	263	4.3
25 to 54 years	16,334	14,750	740	844	5.2	4,631	4,441	190	4.1
55 years and over	3,537	3,250	160	126	3.6	1,423	1,349	74	5.2
Black and other									
Males, 16 years and over	5,548	4,743	275	530	9.5	585	435	150	25.6
16 to 21 years	578	349	69	159	27.5	302	195	107	35.5
16 to 19 years	280	156	32	92	32.9	247	160	88	35.5
20 years and over	5,268	4,586	244	438	8.3	338	276	62	18.4
20 to 24 years	846	646	55	145	17.2	93	68	25	27.2
25 years and over	4,422	3,940	189	293	6.6	245	208	37	15.1
25 to 54 years	3,739	3,351	137	251	6.7	106	93	12	11.3
55 years and over	683	590	51	42	6.1	139	115	25	18.0
Females, 16 years and over	4,485	3,639	310	536	11.9	1,006	846	160	15.9
16 to 21 years	487	269	51	167	34.4	309	213	96	31.1
16 to 19 years	207	102	20	85	41.2	222	144	78	35.3
20 years and over	4,278	3,537	291	450	10.5	784	703	81	10.4
20 to 24 years	783	554	50	180	23.0	157	126	30	19.4
25 years and over	3,495	2,983	241	270	7.7	627	577	51	8.1
25 to 54 years	3,069	2,639	174	257	8.4	432	389	42	9.7
55 years and over	425	343	67	14	3.3	195	187	8	4.1

¹ Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

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A-9. Employment status of the noninstitutional population by family relationship

[Numbers in thousands]

Family relationship	December 1977									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over	98,503	62.5	92,623	5,880	6.0	59,105	33,787	9,234	2,722	13,361
Husbands ¹	40,535	81.9	39,242	1,293	3.2	8,961	128	227	1,201	7,405
With employed wife	19,839	92.0	19,256	583	2.9	1,731	37	125	401	1,168
With unemployed wife	1,123	90.8	998	126	11.2	114	1	12	35	66
With wife not in labor force	18,143	73.1	17,627	516	2.8	6,666	74	62	702	5,828
Wives	22,809	47.9	21,572	1,237	5.4	24,809	23,218	311	227	1,052
With employed husband	20,256	53.5	19,258	998	4.9	17,627	16,689	283	70	584
With unemployed husband	709	57.9	583	126	17.8	516	491	1	7	18
With husband not in labor force	1,845	21.7	1,731	114	6.2	6,666	6,038	27	150	450
Relatives in husband-wife families	13,234	58.1	11,737	1,498	11.3	9,537	1,426	6,438	361	1,312
16-19 years	6,330	53.5	5,535	794	12.5	5,502	167	5,028	20	287
20-24 years	4,504	72.6	4,030	474	10.5	1,704	150	1,303	36	215
25 years and over	2,400	50.8	2,172	230	9.6	2,331	1,109	107	305	810
Women who head families	4,651	57.4	4,290	361	7.8	3,446	2,785	112	142	317
Relatives in female-headed families	3,977	55.5	3,251	726	18.3	3,193	861	1,419	261	652
16-19 years	1,291	48.7	960	331	25.6	1,359	99	1,121	12	126
20-24 years	1,175	72.2	931	245	20.9	452	102	256	20	75
25 years and over	1,511	52.2	1,360	150	9.9	1,382	660	42	229	451
Persons not living in families ²	13,297	59.2	12,531	765	5.8	9,159	5,369	727	530	2,623

¹ Includes a small number of single, separated, widowed, or divorced men who head families.

² Individuals living alone or with unrelated persons plus a small number of persons in secondary families.

A-10. Unemployed persons by marital status, sex, age, and race

Marital status, sex, age, and race	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977
Total, 16 years and over	4,002	3,120	7.1	5.4	3,020	2,760	7.7	6.8
Married, spouse present	1,706	1,296	4.3	3.2	1,406	1,277	6.3	5.5
Widowed, divorced, or separated	401	300	10.0	6.9	599	522	8.3	6.8
Single (never married)	1,896	1,524	15.1	11.4	1,014	960	10.6	9.6
White, 16 years and over	3,235	2,440	6.4	4.7	2,396	2,065	7.0	5.8
Married, spouse present	1,465	1,114	4.0	4.1	1,196	1,081	6.0	5.2
Widowed, divorced, or separated	304	215	9.5	6.1	441	364	7.6	6.0
Single (never married)	1,467	1,111	13.4	9.6	760	620	9.3	7.3
Black and other, 16 years and over	767	680	12.9	11.1	623	695	12.3	12.7
Married, spouse present	241	182	6.9	5.2	211	197	9.0	8.1
Widowed, divorced, or separated	97	85	11.8	10.2	159	158	11.3	10.0
Single (never married)	429	413	26.3	23.3	254	340	19.1	23.0
Total, 20 to 64 years of age	3,045	2,309	6.1	4.5	2,300	2,133	6.7	6.0
Married, spouse present	1,624	1,190	4.3	3.1	1,280	1,197	5.9	5.3
Widowed, divorced, or separated	375	279	9.9	6.8	557	474	8.5	6.8
Single (never married)	1,045	841	12.7	9.6	464	462	7.7	7.4
White, 20 to 64 years of age	2,452	1,833	5.5	4.0	1,796	1,606	6.1	5.2
Married, spouse present	1,392	1,025	4.0	2.9	1,087	1,015	5.6	5.1
Widowed, divorced, or separated	284	201	9.4	6.1	402	326	7.7	6.0
Single (never married)	775	606	11.0	8.1	307	264	6.2	5.1
Black and other, 20 to 64 years of age	593	476	11.2	8.8	504	527	11.0	10.7
Married, spouse present	231	164	6.9	4.8	193	181	8.6	7.7
Widowed, divorced, or separated	91	78	11.8	9.9	155	148	11.9	10.0
Single (never married)	270	234	23.4	18.9	157	198	15.6	18.2

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A-11. Unemployed persons by occupation of last job and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977
Total	7,022	5,880	7.4	6.0	7.1	5.4	7.7	6.8
White-collar workers	1,876	1,696	4.0	3.5	3.1	2.6	4.8	4.3
Professional and technical	380	328	2.7	2.3	2.6	1.8	2.9	2.9
Managers and administrators, except farm	306	256	3.1	2.5	2.8	2.3	4.2	3.1
Sales workers	284	261	4.5	4.1	3.6	3.4	5.6	5.0
Clerical workers	906	851	5.4	4.8	4.4	4.5	5.6	4.9
Blue-collar workers	3,030	2,359	9.5	7.2	8.8	6.5	12.3	10.2
Craft and kindred workers	839	668	6.9	5.2	6.8	5.0	8.7	9.4
Carpenters and other construction craft	413	344	11.3	8.4	11.3	8.3	(1)	(1)
All other	426	324	5.0	3.7	4.8	3.3	8.6	8.9
Operatives, except transport	1,202	913	10.5	8.0	8.7	6.3	13.1	10.6
Transport equipment operatives	292	223	8.1	5.9	8.0	6.0	9.1	5.4
Nonfarm laborers	697	554	14.6	11.2	14.9	11.4	11.0	9.4
Construction laborers	234	141	25.2	14.9	25.3	14.8	(1)	(1)
All other	463	413	12.0	10.3	12.1	10.5	11.1	9.1
Service workers	1,100	1,013	8.4	7.4	8.9	7.1	8.1	7.6
Private household	60	52	4.8	3.9	(1)	(1)	4.8	3.9
All other	1,040	961	8.8	7.8	9.0	7.1	8.7	8.3
Farm workers	201	133	7.7	5.2	6.3	4.1	15.1	11.5
No previous work experience	815	679	--	--	--	--	--	--
16 to 19 years	597	489	--	--	--	--	--	--
20 to 24 years	144	133	--	--	--	--	--	--
25 years and over	74	58	--	--	--	--	--	--

¹ Percent not shown where base is less than 75,000.

A-12. Unemployed persons by industry of last job and sex

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977
Total	100.0	100.0	7.4	6.0	7.1	5.4	7.7	6.8
Nonagricultural private wage and salary workers	74.7	72.9	7.5	6.0	7.4	5.4	7.8	6.7
Mining	.6	.5	4.5	3.2	4.5	3.0	(1)	(1)
Construction	9.5	8.6	14.9	11.1	15.4	11.1	7.5	11.2
Manufacturing	24.2	20.8	8.0	5.7	6.7	4.2	11.0	9.0
Durable goods	13.8	11.8	7.7	5.5	6.6	4.3	11.1	9.1
Lumber and wood products	1.1	1.0	10.7	8.7	10.4	9.1	(1)	5.9
Furniture and fixtures	.7	.6	8.8	6.8	7.3	3.9	12.3	13.0
Stone, clay, and glass products	1.1	.8	10.2	6.5	9.7	6.4	12.2	6.9
Primary metal industries	1.8	1.1	9.1	5.2	9.4	4.6	6.9	10.7
Fabricated metal products	1.8	1.5	8.7	6.0	8.6	5.5	9.3	8.1
Machinery, except electrical equipment	1.7	1.6	5.1	3.8	4.6	2.5	7.1	10.2
Electrical equipment	2.3	2.3	7.1	6.2	3.7	3.7	11.8	9.5
Transportation equipment	1.8	1.5	5.9	4.2	4.7	3.7	12.8	7.3
Automobiles	.7	.6	4.3	2.6	3.7	2.2	7.5	4.8
Other transportation equipment	1.1	1.0	7.9	6.3	5.9	5.5	18.9	10.7
Instruments and related products	.3	.5	4.6	5.4	4.1	3.7	5.2	7.4
Other durable goods industries	1.4	.9	14.0	7.2	10.1	5.0	18.6	10.2
Nondurable goods	10.4	9.0	8.4	5.9	6.8	3.9	10.8	8.8
Food and kindred products	2.6	2.5	10.5	7.8	8.1	5.6	16.1	13.2
Textile mill products	1.1	1.0	8.1	5.5	7.7	3.5	8.7	8.0
Apparel and other textile products	2.6	2.1	13.5	8.8	15.9	7.7	12.9	9.2
Paper and allied products	.7	.3	7.4	2.5	6.2	1.5	11.1	5.4
Printing and publishing	1.1	1.1	5.1	4.6	5.0	3.3	5.3	6.4
Chemicals and allied products	.7	.6	4.1	3.1	4.0	2.0	4.5	6.2
Rubber and plastics products	.9	1.0	9.5	7.1	8.3	4.4	12.0	12.3
Other nondurable goods industries	.7	.5	7.8	4.9	4.0	3.5	13.2	6.7
Transportation and public utilities	3.4	4.0	4.8	4.6	5.3	4.5	3.4	4.8
Railroads and railway express	.2	.4	2.5	4.4	2.6	4.2	--	(1)
Other transportation	2.4	3.6	7.4	4.6	8.3	4.6	3.3	4.6
Communication and other public utilities	.7	.9	2.6	2.6	2.1	1.6	3.6	4.7
Wholesale and retail trade	19.2	20.8	7.4	6.6	6.6	5.9	8.4	7.4
Finance, insurance, and real estate	2.6	2.6	4.0	3.1	3.7	2.8	4.3	3.4
Service industries	15.3	15.6	7.0	5.7	7.7	5.6	6.5	5.7
Professional services	5.8	6.6	4.7	4.3	3.8	3.8	5.2	4.5
All other service industries	9.5	9.0	9.8	7.5	11.0	7.3	8.7	7.7
Agricultural wage and salary workers	3.4	2.9	17.4	12.8	16.3	11.5	21.3	18.6
All other classes of workers	10.0	12.7	3.3	3.0	3.0	2.8	3.4	3.4
No previous work experience	11.6	11.6	--	--	--	--	--	--

¹ Percent not shown where base is less than 75,000.

A-13. Unemployed persons by reason for unemployment, sex, age, and race

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands	7,022	5,880	3,128	2,407	2,337	2,179	1,558	1,294	5,632	4,505	1,390	1,375
Job losers	3,730	2,749	2,227	1,538	1,108	932	395	280	3,031	2,167	699	583
On layoff	1,114	737	659	435	340	234	115	69	970	657	144	80
Other job losers	2,616	2,012	1,568	1,103	768	698	281	211	2,061	1,510	556	502
Job leavers	789	809	301	309	354	354	134	146	665	692	124	117
Reentrants	1,691	1,642	503	467	754	796	435	379	1,320	1,203	371	439
New entrants	812	679	98	93	121	97	594	489	617	442	196	237
Total unemployed, percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	53.2	46.7	71.2	63.9	47.4	42.7	25.4	21.6	53.8	48.1	50.3	42.3
On layoff	15.9	12.5	21.1	18.1	14.5	10.7	7.4	5.3	17.2	14.6	10.3	5.8
Other job losers	37.3	34.2	50.1	45.8	32.9	32.0	18.0	16.3	36.6	33.5	40.0	36.5
Job leavers	11.2	13.8	9.6	12.8	15.1	16.3	8.6	11.3	11.8	15.4	8.9	8.5
Reentrants	24.1	27.9	16.1	19.4	32.3	36.5	27.9	29.3	23.4	26.7	26.7	31.9
New entrants	11.6	11.5	3.1	3.9	5.2	4.4	38.1	37.8	11.0	9.8	14.1	17.2
UNEMPLOYMENT RATE												
Total unemployment rate	7.4	6.0	6.0	4.5	6.6	5.9	18.3	14.6	6.7	5.2	12.6	11.8
Job loser rate ¹	3.9	2.7	4.3	2.9	3.2	2.5	4.7	3.2	3.5	2.5	6.4	5.0
Job leaver rate ¹ .....	.8	.8	.6	.6	1.0	1.0	1.6	1.6	.8	.8	1.1	1.0
Reentrant rate ¹	1.8	1.7	1.0	.9	2.1	2.2	5.1	4.3	1.6	1.4	3.4	3.8
New entrant rate ¹ .....	.8	.7	.2	.2	.3	.3	7.0	5.5	.7	.5	1.8	2.0

¹ Unemployment rates are calculated as a percent of the civilian labor force.

A-14. Unemployed persons by reason for unemployment, duration, sex, and age

[Percent distribution]

Reason, sex, and age	December 1977						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over	5,880	100.0	40.2	33.2	26.7	13.5	13.2
Job losers	2,749	100.0	37.2	32.5	30.4	15.4	15.0
On layoff	737	100.0	59.1	26.2	14.7	10.0	4.7
Other job losers	2,012	100.0	29.1	34.8	36.0	17.3	18.7
Job leavers	809	100.0	39.7	34.6	25.7	12.7	13.0
Reentrants	1,642	100.0	45.4	33.8	20.8	10.5	10.3
New entrants	679	100.0	40.1	32.7	27.1	13.7	13.4
Males, 20 years and over	2,407	100.0	35.5	33.1	31.3	13.6	17.7
Job losers	1,538	100.0	35.9	30.7	33.4	15.1	18.3
On layoff	435	100.0	61.5	26.8	11.7	8.7	3.0
Other job losers	1,103	100.0	25.7	32.4	42.0	17.7	24.3
Job leavers	309	100.0	31.5	40.3	28.2	12.3	15.9
Reentrants	467	100.0	40.0	37.6	22.4	7.7	14.7
New entrants	93	100.0	20.4	29.0	50.5	21.5	29.0
Females, 20 years and over	2,179	100.0	39.8	33.4	26.7	14.4	12.3
Job losers	932	100.0	33.9	35.0	31.1	18.0	13.1
On layoff	234	100.0	50.6	26.2	23.2	15.0	8.2
Other job losers	698	100.0	28.2	38.0	33.9	19.1	14.8
Job leavers	354	100.0	39.7	31.8	28.5	13.0	15.5
Reentrants	796	100.0	46.3	32.6	21.1	11.9	9.2
New entrants	97	100.0	45.4	30.9	23.7	4.1	19.6
Both sexes, 16 to 19 years	1,294	100.0	49.3	32.8	17.9	11.6	6.3
Job losers	280	100.0	55.4	33.6	11.1	7.9	3.2
On layoff	69	100.0	(1)	(1)	(1)	(1)	(1)
Other job losers	211	100.0	49.5	37.4	13.1	9.8	3.3
Job leavers	146	100.0	56.8	29.5	13.7	12.3	1.4
Reentrants	379	100.0	50.4	31.9	17.7	10.6	7.1
New entrants	489	100.0	42.7	33.9	23.3	14.1	9.2

¹ Percent not shown where base is less than 75,000.

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A-15. Unemployed jobseekers by the jobsearch methods used, sex, age, and race

Sex, age, and race	December 1977								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	5,880	5,053	28.2	6.3	71.9	30.2	15.2	6.2	1.58
16 to 19 years	1,294	1,205	19.2	1.7	78.0	24.7	12.3	5.1	1.41
20 to 24 years	1,349	1,171	34.1	7.4	77.0	33.7	15.5	4.2	1.72
25 to 34 years	1,400	1,155	33.6	9.5	66.9	29.6	14.3	7.1	1.61
35 to 44 years	675	567	29.9	7.2	67.5	36.5	16.6	4.6	1.62
45 to 54 years	596	479	28.8	7.7	66.0	28.2	16.3	11.3	1.58
55 to 64 years	423	347	24.2	5.2	67.4	32.6	21.3	9.2	1.60
65 years and over	144	128	14.1	3.9	65.6	27.3	23.4	7.8	1.42
Males, 16 years and over	3,120	2,594	31.2	6.1	72.6	27.9	17.5	7.7	1.63
16 to 19 years	712	656	19.8	1.5	81.3	24.1	14.8	5.3	1.47
20 to 24 years	725	624	38.1	6.9	76.3	32.1	17.5	4.6	1.76
25 to 34 years	726	556	40.1	9.2	68.3	26.6	15.8	8.8	1.69
35 to 44 years	303	239	35.1	8.4	64.4	31.8	21.3	6.3	1.67
45 to 54 years	309	235	31.1	9.8	65.5	24.3	21.3	17.9	1.70
55 to 64 years	245	199	24.6	5.0	66.8	42.2	19.6	12.1	1.70
65 years and over	98	84	15.5	3.6	64.3	34.5	25.0	7.1	1.50
Females, 16 years and over	2,760	2,459	25.1	6.5	71.1	32.6	12.8	4.6	1.53
16 to 19 years	581	549	18.4	1.8	74.1	25.5	9.3	4.7	1.34
20 to 24 years	623	546	29.5	8.1	78.0	35.7	13.2	3.8	1.68
25 to 34 years	674	599	27.5	9.8	65.6	32.4	12.9	5.3	1.54
35 to 44 years	371	328	25.9	6.4	69.5	39.9	13.1	3.4	1.58
45 to 54 years	287	244	26.6	5.7	66.4	32.0	11.5	4.9	1.47
55 to 64 years	177	148	24.3	5.4	68.2	37.8	23.6	5.4	1.65
65 years and over	46	43	(1)	(1)	(1)	(1)	(1)	(1)	(1)
White	4,505	3,370	25.3	6.2	73.7	31.3	14.6	6.5	1.58
Males	2,440	1,967	27.6	5.7	73.5	29.4	16.3	8.3	1.61
Females	2,065	1,803	22.7	6.7	73.8	33.4	12.7	4.5	1.54
Black and other	1,375	1,282	37.0	6.6	66.7	26.8	17.2	5.3	1.60
Males	680	627	42.6	7.5	69.9	23.3	21.5	5.7	1.71
Females	695	655	31.6	5.8	63.7	30.4	13.1	4.9	1.50

¹ Percent not shown where base is less than 75,000.

waiting to begin a new wage and salary job within 30 days are not actually seeking jobs. It should also be noted that the percent using each method will always total more than 100 because many jobseekers use more than one method.

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or

A-16. Unemployed jobseekers by the jobsearch methods used, sex, and reason for unemployment

Sex and reason	December 1977								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	5,880	5,053	28.2	6.3	71.9	30.2	15.2	6.2	1.58
Job losers	2,749	2,020	34.9	7.2	72.0	32.4	18.5	6.9	1.72
Job leavers	809	799	30.9	7.0	74.7	31.8	14.6	4.3	1.63
Reentrants	1,642	1,565	21.0	5.0	71.6	30.4	12.5	6.8	1.47
New entrants	679	669	21.8	5.5	68.8	20.9	12.6	4.8	1.34
Males, 16 years and over	3,120	2,594	31.2	6.1	72.6	27.9	17.5	7.7	1.63
Job losers	1,737	1,254	35.9	6.8	73.6	29.3	19.5	8.6	1.72
Job leavers	387	387	33.3	9.3	73.1	32.0	18.3	3.9	1.70
Reentrants	677	636	24.1	3.3	72.8	26.1	13.5	9.3	1.49
New entrants	319	317	24.6	5.0	68.1	21.5	16.7	5.4	1.41
Females, 16 years and over	2,760	2,459	25.1	6.5	71.1	32.6	12.8	4.6	1.53
Job losers	1,013	766	33.3	8.0	69.5	37.7	16.6	4.2	1.69
Job leavers	422	412	28.6	4.9	76.2	31.6	11.4	4.9	1.58
Reentrants	965	930	19.0	6.2	70.9	33.3	11.8	5.1	1.46
New entrants	360	352	19.3	6.0	69.0	20.5	8.8	4.3	1.28

NOTE: See note, table A-15.

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A-17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977
Total, 16 years and over	7,022	5,880	100.0	100.0	5,647	4,563	100.0	100.0
Less than 5 weeks	2,563	2,361	36.5	40.2	1,898	1,660	33.6	36.4
5 to 14 weeks	2,314	1,951	33.0	33.2	1,841	1,524	32.6	33.4
5 to 10 weeks	1,540	1,332	21.9	22.7	1,235	1,045	21.9	22.9
11 to 14 weeks	774	619	11.0	10.5	607	479	10.7	10.5
15 weeks and over	2,145	1,568	30.5	26.7	1,908	1,380	33.8	30.2
15 to 26 weeks	935	791	13.3	13.5	797	702	14.1	15.4
27 weeks and over	1,210	777	17.2	13.2	1,111	678	19.7	14.9
27 to 51 weeks	630	373	9.0	6.3	576	322	10.2	7.1
52 weeks and over	580	404	8.3	6.9	535	356	9.5	7.8
Average (mean) duration, in weeks	15.6	14.1	--	--	17.1	15.3	--	--
Median duration, in weeks	8.5	7.4	--	--	9.4	8.4	--	--

A-18. Unemployed persons by duration, sex, age, race, and marital status

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977
	December 1977							Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977
Total, 16 years and over	5,880	2,361	1,951	791	777	14.1	7.4	36.5	40.2	30.5	26.7
16 to 21 years	1,900	892	655	224	129	10.4	5.7	44.7	47.0	19.8	18.6
16 to 19 years	1,294	638	424	150	82	9.7	5.1	48.3	49.3	17.4	17.9
20 to 24 years	1,349	534	498	178	138	13.1	7.3	36.1	39.6	27.8	23.5
25 to 34 years	1,400	561	477	180	182	13.7	7.5	32.9	40.1	33.6	25.8
35 to 44 years	675	239	207	120	109	16.0	9.0	30.3	35.4	38.6	34.0
45 to 54 years	596	193	184	82	137	19.3	10.5	35.1	32.4	35.7	36.7
55 to 64 years	423	141	133	60	89	18.5	9.5	30.1	33.5	42.8	35.2
65 years and over	144	54	28	21	40	22.2	10.5	15.2	37.7	54.9	42.7
Males, 16 years and over	3,120	1,185	1,050	409	476	15.5	8.0	36.4	38.0	32.5	28.4
16 to 21 years	1,052	460	387	127	78	11.2	6.5	46.6	43.7	20.0	19.5
16 to 19 years	712	330	251	82	49	10.3	5.8	53.1	46.4	16.1	18.4
20 to 24 years	725	264	283	96	82	13.9	8.1	34.8	36.4	30.5	24.6
25 to 34 years	726	258	258	99	111	15.6	8.6	31.1	35.6	35.8	28.9
35 to 44 years	303	103	83	54	63	18.4	9.9	28.1	33.8	45.9	38.8
45 to 54 years	309	110	85	28	86	21.6	9.6	35.8	35.5	38.2	36.9
55 to 64 years	245	77	72	39	58	21.4	10.8	28.8	31.3	43.7	39.5
65 years and over	98	43	18	11	26	19.7	8.4	11.2	44.1	53.2	37.6
Females, 16 years and over	2,760	1,176	901	382	301	12.5	6.7	36.6	42.6	27.9	24.7
16 to 21 years	848	432	268	97	51	9.3	4.9	42.1	51.0	19.4	17.4
16 to 19 years	581	308	173	68	32	8.8	4.7	42.2	52.9	19.0	17.3
20 to 24 years	623	270	215	82	56	12.1	6.2	38.1	43.3	24.0	22.2
25 to 34 years	674	303	219	81	71	11.6	6.3	35.2	45.0	30.9	22.5
35 to 44 years	371	136	123	66	46	14.0	8.5	32.6	36.7	30.8	30.1
45 to 54 years	287	83	99	54	51	16.9	11.0	34.1	29.1	32.0	36.5
55 to 64 years	177	65	61	21	30	14.6	8.1	31.9	36.4	41.5	29.2
65 years and over	46	11	10	10	14	27.5	16.9	(1)	(1)	(1)	(1)
White	4,505	1,866	1,497	564	576	13.6	7.0	37.4	41.4	29.9	25.3
Males	2,440	982	821	277	359	14.8	7.3	37.9	40.2	31.3	26.1
Females	2,065	885	676	287	217	12.2	6.8	36.6	42.9	27.9	24.4
Black and other	1,375	494	453	227	201	15.5	8.4	32.9	36.0	33.3	31.1
Males	680	203	228	131	117	17.7	10.1	30.1	29.9	37.9	36.5
Females	695	291	225	95	84	13.4	6.5	36.4	41.9	27.7	25.8
Males:											
Married, spouse present	1,296	506	399	176	215	15.9	7.7	30.3	39.1	38.3	30.1
Widowed, divorced, or separated	300	85	102	41	72	20.6	10.0	32.8	28.5	39.5	37.7
Single (never married)	1,524	593	549	192	189	14.1	7.9	42.7	38.9	25.9	25.0
Females:											
Married, spouse present	1,277	525	452	173	126	11.8	7.1	36.7	41.1	29.0	23.5
Widowed, divorced, or separated	522	203	170	75	75	14.3	7.4	33.9	38.9	31.5	28.5
Single (never married)	960	447	279	134	100	12.4	5.8	38.0	46.6	24.2	24.4

¹ Percent not shown where base is less than 75,000.

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A-19. Unemployed persons by duration, occupation, and industry of last job

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977
	December 1977										
OCCUPATION											
White-collar workers	1,696	618	558	252	267	15.8	8.6	32.5	36.4	36.0	30.6
Professional and managerial	584	179	200	92	114	18.4	11.0	27.7	30.7	41.7	35.3
Sales workers	261	94	86	42	39	15.8	8.3	39.4	36.1	35.4	31.1
Clerical workers	851	345	273	119	114	13.9	7.2	33.9	40.6	32.0	27.4
Blue-collar workers	2,359	1,008	772	296	283	13.0	6.8	36.3	42.7	30.5	24.6
Craft and kindred workers	668	281	218	75	95	13.7	6.7	35.6	42.0	34.4	25.4
Operatives, except transport	913	394	310	123	86	12.4	7.1	33.1	43.2	30.1	22.9
Transport equipment operatives	223	115	62	17	29	12.0	4.9	42.9	51.5	26.2	20.4
Nonfarm laborers	554	218	181	82	73	13.5	7.4	40.0	39.3	28.0	28.0
Service workers	1,013	403	337	144	129	13.6	7.2	36.4	39.8	29.4	26.9
INDUSTRY¹											
Agriculture	169	78	69	11	10	10.0	6.1	50.1	46.4	12.5	12.6
Construction	536	276	148	41	70	11.9	4.8	37.9	51.6	29.8	20.7
Manufacturing	1,230	480	394	193	163	14.5	7.9	35.4	39.0	33.8	28.9
Durable goods	699	272	232	103	92	14.2	7.7	34.9	38.9	36.3	27.9
Nondurable goods	531	208	162	89	71	14.9	8.2	36.1	39.2	30.5	30.3
Transportation and public utilities	284	131	82	41	30	11.9	5.9	39.8	46.0	30.5	25.0
Wholesale and retail trade	1,241	483	443	152	163	14.0	7.3	34.8	38.9	33.5	25.4
Finance and service industries	1,377	506	471	200	200	14.3	8.3	33.3	36.7	31.4	29.1
Public administration	195	69	67	37	22	14.0	11.1	34.1	35.5	27.6	30.2
No previous work experience	679	272	223	93	91	15.0	7.0	43.1	40.1	24.9	27.1

¹ Includes wage and salary workers only.

A-20. Employed persons by sex and age

[In thousands]

Age and type of industry	Total		Males		Females	
	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977
All industries	88,494	92,623	52,369	54,524	36,125	38,099
16 to 19 years	6,935	7,580	3,641	4,010	3,294	3,570
16 to 17 years	2,740	3,053	1,437	1,642	1,303	1,411
18 to 19 years	4,195	4,527	2,204	2,368	1,991	2,158
20 to 24 years	12,452	13,098	6,776	7,059	5,676	6,039
25 to 54 years	55,442	57,915	33,515	34,781	21,928	23,134
25 to 34 years	22,539	23,877	13,664	14,340	8,875	9,537
35 to 44 years	16,674	17,603	10,039	10,516	6,635	7,087
45 to 54 years	16,229	16,435	9,812	9,925	6,418	6,510
55 to 64 years	10,897	11,156	6,704	6,854	4,192	4,302
55 to 59 years	6,733	6,949	4,114	4,214	2,619	2,735
60 to 64 years	4,163	4,206	2,590	2,640	1,573	1,567
65 years and over	2,768	2,876	1,732	1,820	1,036	1,055
Nonagricultural industries	85,645	89,710	50,004	52,086	35,641	37,623
16 to 19 years	6,663	7,293	3,401	3,764	3,262	3,529
16 to 17 years	2,608	2,919	1,322	1,528	1,286	1,391
18 to 19 years	4,054	4,374	2,079	2,236	1,976	2,139
20 to 24 years	12,152	12,792	6,510	6,803	5,642	5,989
25 to 54 years	54,001	56,423	32,373	33,580	21,628	22,842
25 to 34 years	22,041	23,352	13,264	13,924	8,777	9,427
35 to 44 years	16,226	17,149	9,700	10,149	6,526	7,000
45 to 54 years	15,734	15,922	9,409	9,507	6,325	6,415
55 to 64 years	10,387	10,650	6,278	6,413	4,109	4,237
55 to 59 years	6,452	6,649	3,880	3,956	2,571	2,693
60 to 64 years	3,936	4,001	2,398	2,457	1,538	1,544
65 years and over	2,442	2,551	1,442	1,526	1,000	1,025
Agriculture	2,850	2,914	2,365	2,438	485	476
16 to 19 years	273	286	240	246	32	40
16 to 17 years	132	134	115	113	17	21
18 to 19 years	141	152	126	132	15	20
20 to 24 years	300	305	266	256	34	50
25 to 54 years	1,442	1,491	1,142	1,201	299	291
25 to 34 years	498	525	400	416	97	109
35 to 44 years	448	453	339	367	109	87
45 to 54 years	496	513	403	418	93	95
55 to 64 years	509	506	426	441	83	65
55 to 59 years	282	300	234	258	48	42
60 to 64 years	228	206	192	183	35	23
65 years and over	326	325	290	295	36	30

A-21. Employed persons by occupation, sex, and age

[In thousands]

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977
	TOTAL	88,494	92,623	48,727	50,514	32,831	34,530	3,641	4,010	3,294	3,570
White-collar workers	45,212	46,981	21,283	21,857	21,557	22,575	658	673	1,714	1,876
Professional and technical	13,705	14,179	7,718	8,017	5,845	5,995	58	89	84	79
Health workers	2,406	2,646	826	905	1,562	1,727	3	5	14	9
Teachers, except college	3,253	3,170	967	881	2,265	2,270	6	4	16	15
Other professional and technical	8,046	8,363	5,925	6,231	2,018	1,998	49	80	54	55
Managers and administrators, except farm	9,580	9,982	7,476	7,676	2,019	2,222	64	56	21	27
Salaried workers	7,852	8,180	6,138	6,263	1,640	1,839	56	51	18	26
Self-employed workers in retail trade	892	936	625	656	261	276	4	4	2	--
Self-employed workers, except retail trade	835	866	713	757	118	107	3	1	2	1
Sales workers	5,956	6,039	2,981	2,999	2,259	2,308	277	239	439	494
Retail trade	3,412	3,355	1,013	960	1,780	1,730	213	204	406	460
Other industries	2,544	2,684	1,968	2,039	479	577	64	34	33	34
Clerical workers	15,970	16,780	3,108	3,165	11,433	12,051	260	289	1,170	1,276
Stenographers, typists, and secretaries	4,414	4,710	45	77	4,049	4,260	2	6	319	366
Other clerical workers	11,556	12,070	3,063	3,088	7,384	7,791	258	283	851	910
Blue-collar workers	28,933	30,600	21,817	22,991	4,795	5,031	1,932	2,176	390	403
Craft and kindred workers	11,291	12,208	10,392	11,210	513	535	350	426	36	37
Carpenters	1,039	1,260	975	1,179	5	3	58	76	1	2
Construction craft, except carpenters	2,220	2,498	2,141	2,393	20	10	58	93	1	1
Mechanics and repairers	3,004	3,306	2,826	3,140	41	34	135	130	3	1
Metal craft	1,221	1,172	1,165	1,108	34	32	21	30	1	2
Blue-collar worker supervisors, not elsewhere classified	1,490	1,615	1,347	1,461	129	138	8	13	6	4
All other	2,318	2,357	1,938	1,929	285	318	71	82	23	28
Operatives, except transport	10,245	10,441	5,620	5,646	3,754	3,874	612	660	259	260
Durable goods manufacturing	4,538	4,755	2,909	3,030	1,384	1,421	173	211	70	94
Nondurable goods manufacturing	3,238	3,347	1,228	1,245	1,792	1,866	104	133	114	103
Other industries	2,469	2,339	1,483	1,371	578	587	335	316	75	63
Transport equipment operatives	3,309	3,539	2,923	3,107	206	233	163	189	16	9
Drivers, motor vehicles	2,800	2,965	2,459	2,588	191	217	137	153	13	7
All other	509	574	464	520	15	16	26	37	4	1
Nonfarm laborers	4,088	4,413	2,882	3,028	321	388	806	901	78	97
Construction	694	807	564	646	7	10	122	148	1	3
Manufacturing	994	1,012	767	760	119	126	99	113	9	13
Other industries	2,400	2,593	1,551	1,622	196	251	585	639	68	81
Service workers	11,935	12,616	3,769	3,777	6,152	6,625	846	948	1,168	1,266
Private household workers	1,197	1,272	25	20	893	981	9	11	270	260
Service workers, except private household	10,737	11,344	3,744	3,757	5,259	5,644	836	937	899	1,006
Food service workers	3,918	4,119	736	747	2,064	2,105	512	579	605	687
Protective service workers	1,301	1,338	1,187	1,210	79	110	27	16	7	2
All other	5,518	5,887	1,821	1,800	3,116	3,429	297	342	287	317
Farm workers	2,415	2,426	1,859	1,890	328	299	206	213	22	25
Farmers and farm managers	1,370	1,392	1,280	1,298	78	76	12	19	--	--
Farm laborers and supervisors	1,045	1,034	579	591	250	222	194	194	22	26
Paid workers	818	809	542	567	110	84	143	143	22	15
Unpaid family workers	227	225	37	24	140	138	51	51	--	11

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A-22. Employed persons by occupation, sex, and race

(Percent distribution)

Occupation and race	Total		Males		Females	
	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977	Dec. 1976	Dec. 1977
TOTAL						
Total employed (thousands)	88,494	92,623	52,369	54,524	36,125	38,099
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	51.1	50.7	41.9	41.3	64.4	64.2
Professional and technical	15.5	15.3	14.8	14.9	16.4	15.9
Managers and administrators, except farm	10.8	10.8	14.4	14.2	5.6	5.9
Sales workers	6.7	6.5	6.2	5.9	7.5	7.4
Clerical workers	18.0	18.1	6.4	6.3	34.9	35.0
Blue-collar workers	32.7	33.0	45.3	46.2	14.4	14.3
Craft and kindred workers	12.8	13.2	20.5	21.3	1.5	1.5
Operatives, except transport	11.6	11.3	11.9	11.6	11.1	10.9
Transport equipment operatives	3.7	3.8	5.9	6.0	.6	.6
Nonfarm laborers	4.6	4.8	7.0	7.2	1.1	1.3
Service workers	13.5	13.6	8.8	8.7	20.3	20.7
Private household workers	1.4	1.4	.1	.1	3.2	3.3
Other service workers	12.1	12.2	8.7	8.6	17.0	17.5
Farm workers	2.7	2.6	3.9	3.9	1.0	.9
Farmers and farm managers	1.5	1.5	2.5	2.4	.2	.2
Farm laborers and supervisors	1.2	1.1	1.5	1.4	.8	.7
White						
Total employed (thousands)	78,889	82,375	47,209	49,070	31,679	33,304
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	52.9	52.4	43.6	42.8	66.8	66.6
Professional and technical	15.9	15.6	15.4	15.4	16.7	16.1
Managers and administrators, except farm	11.6	11.6	15.3	15.2	6.0	6.3
Sales workers	7.2	7.0	6.6	6.3	8.2	8.0
Clerical workers	18.2	18.2	6.3	6.0	35.9	36.2
Blue-collar workers	32.1	32.6	44.4	45.4	13.9	13.8
Craft and kindred workers	13.2	13.7	21.0	21.9	1.6	1.6
Operatives, except transport	11.1	10.9	11.5	11.3	10.5	10.3
Transport equipment operatives	3.6	3.7	5.5	5.7	.7	.7
Nonfarm laborers	4.2	4.4	6.3	6.5	1.1	1.3
Service workers	12.1	12.3	8.0	7.9	18.3	18.8
Private household workers	1.0	1.0	(1)	(1)	2.3	2.5
Other service workers	11.2	11.3	7.9	7.9	16.0	16.3
Farm workers	2.8	2.7	4.0	3.9	1.0	.9
Farmers and farm managers	1.7	1.6	2.7	2.6	.2	.2
Farm laborers and supervisors	1.1	1.0	1.4	1.3	.8	.7
Black and other						
Total employed (thousands)	9,605	10,249	5,159	5,453	4,446	4,795
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	36.2	36.9	26.7	27.6	47.2	47.5
Professional and technical	12.0	12.6	9.9	10.5	14.6	15.1
Managers and administrators, except farm	4.7	4.3	6.2	5.3	2.9	3.1
Sales workers	2.5	2.7	2.5	2.7	2.4	2.6
Clerical workers	17.0	17.3	8.0	9.2	27.4	26.7
Blue-collar workers	37.2	36.5	54.0	53.3	17.8	17.4
Craft and kindred workers	9.0	9.2	15.7	16.5	1.1	.9
Operatives, except transport	15.5	14.4	15.5	14.0	15.4	14.7
Transport equipment operatives	5.1	4.8	9.2	8.8	.3	.4
Nonfarm laborers	7.7	8.1	13.5	14.0	1.0	1.4
Service workers	24.7	24.3	16.4	15.6	34.4	34.3
Private household workers	4.5	4.2	.3	.2	9.5	8.7
Other service workers	20.2	20.2	16.1	15.4	24.9	25.6
Farm workers	1.9	2.3	3.0	3.6	.6	.8
Farmers and farm managers	.3	.4	.6	.7	--	.1
Farm laborers and supervisors	1.6	1.8	2.4	2.8	.6	.7

¹ Less than 0.05 percent.

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A-23. Employed persons by class of worker, age, and sex

(In thousands)

Age and sex	December 1977								
	Nonagricultural industries					Agriculture			
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	83,109	1,454	15,592	66,063	6,177	424	1,147	1,516	250
16 to 19 years	7,180	327	454	6,400	94	19	204	20	63
16 to 17 years	2,869	251	143	2,475	39	11	87	1	46
18 to 19 years	4,311	76	311	3,925	55	8	117	19	17
20 to 24 years	12,471	109	1,703	10,660	305	16	198	88	20
25 to 34 years	21,910	153	4,483	17,274	1,371	71	254	234	36
35 to 44 years	15,600	153	3,323	12,123	1,407	143	166	249	39
45 to 54 years	14,440	215	3,311	10,915	1,384	99	152	313	48
55 to 64 years	9,529	307	2,011	7,211	1,058	63	117	356	33
55 to 59 years	6,023	174	1,335	4,513	597	29	71	210	19
60 to 64 years	3,506	133	675	2,698	461	33	45	146	15
65 years and over	1,978	191	308	1,479	559	14	57	256	12
Males, 16 years and over	47,617	177	7,920	39,520	4,440	29	947	1,416	75
16 to 19 years	3,690	63	199	3,429	59	15	174	20	51
16 to 17 years	1,491	55	74	1,362	27	10	75	2	37
18 to 19 years	2,200	8	126	2,067	31	4	99	18	15
20 to 24 years	6,596	20	683	5,893	203	3	159	85	11
25 to 34 years	12,978	20	2,270	10,688	944	2	202	207	6
35 to 44 years	9,141	17	1,734	7,390	1,008	--	140	226	1
45 to 54 years	8,477	14	1,746	6,717	1,029	1	125	290	2
55 to 64 years	5,615	23	1,108	4,485	792	6	95	344	2
55 to 59 years	3,491	10	707	2,774	461	4	56	202	--
60 to 64 years	2,124	13	400	1,711	331	2	39	142	2
65 years and over	1,119	21	180	917	405	2	51	243	1
Females, 16 years and over	35,492	1,277	7,672	26,543	1,737	395	201	101	175
16 to 19 years	3,489	264	254	2,971	35	4	29	--	11
16 to 17 years	1,378	196	69	1,113	12	1	12	--	9
18 to 19 years	2,111	68	185	1,858	24	4	17	--	2
20 to 24 years	5,875	89	1,020	4,766	102	12	38	3	8
25 to 34 years	8,932	132	2,214	6,586	427	69	52	27	30
35 to 44 years	6,459	137	1,589	4,733	398	143	26	23	38
45 to 54 years	5,964	201	1,565	4,198	354	97	27	23	45
55 to 64 years	3,914	285	903	2,726	266	57	22	12	31
55 to 59 years	2,532	164	628	1,740	136	26	15	8	19
60 to 64 years	1,382	120	275	987	130	31	7	4	13
65 years and over	859	170	127	562	154	12	6	13	11

A-24. Employed persons by industry and occupation

(In thousands)

Industry	December 1977											
	Total employed	White-collar workers				Blue-collar workers				Service workers		Farm workers
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Agriculture	2,914	70	24	8	89	35	18	34	207	--	2	2,426
Mining	884	103	113	3	86	241	250	64	15	--	9	--
Construction	5,635	188	601	20	384	3,194	252	168	807	--	20	--
Manufacturing	20,886	2,023	1,505	460	2,464	4,103	8,102	824	1,012	--	393	--
Durable goods	12,288	1,280	850	145	1,318	2,735	4,755	390	608	--	208	--
Nondurable goods	8,599	743	655	315	1,146	1,369	3,347	434	404	--	186	--
Transportation and public utilities	5,911	487	577	47	1,299	1,281	135	1,426	483	--	177	--
Wholesale and retail trade	19,456	403	3,643	4,198	3,392	1,504	990	761	1,262	--	3,303	--
Wholesale trade	3,667	122	752	843	790	303	196	371	254	--	35	--
Retail trade	15,790	281	2,891	3,355	2,603	1,201	794	390	1,008	--	3,268	--
Finance, insurance, and real estate	5,163	242	1,016	1,129	2,375	108	5	7	54	--	226	--
Services	26,630	9,792	1,820	174	4,765	1,408	625	209	444	1,272	6,120	--
Private households	1,512	22	--	15	13	14	1	3	134	1,272	52	--
Other service industries	25,118	9,770	1,820	174	4,752	1,394	624	206	310	--	6,068	--
Public administration	5,144	872	681	1	1,926	334	62	45	129	--	1,094	--

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A-25. Employed persons with a job but not at work by reason, pay status, and sex

(In thousands)

Reason not working	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
	Dec. 1976				Dec. 1977		Paid absences ²		Unpaid absences^{2}
			Dec. 1976	Dec. 1977			Dec. 1976	Dec. 1977
Total	3,222	3,771	3,062	3,598	1,307	1,372	1,377	1,701
Vacation	866	946	838	920	623	649	156	192
Illness	1,259	1,306	1,232	1,281	548	530	564	638
Bad weather	215	510	164	439	--	--	--	--
Industrial dispute	80	172	80	172	--	--	--	--
All other reasons	803	838	747	786	136	192	657	872
Males	1,939	2,313	1,792	2,152	839	896	695	924
Vacation	575	618	551	595	438	468	72	74
Illness	720	753	697	733	321	319	301	336
All other reasons ³	644	942	544	824	81	109	322	514
Females	1,283	1,459	1,270	1,446	469	474	681	778
Vacation	290	327	287	325	185	181	85	119
Illness	538	552	536	548	227	210	263	301
All other reasons ³	455	580	447	573	57	84	334	359

¹Excludes private household.

³Includes bad weather and industrial dispute, not shown separately.

²Pay status not available separately for bad weather and industrial dispute; these categories are included in all other reasons.

A-26. Persons at work by type of industry and hours of work

Hours of work	December 1977					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	88,852	86,112	2,740	100.0	100.0	100.0
1-34 hours	23,356	22,410	946	26.3	26.0	34.5
1-4 hours	897	838	59	1.0	1.0	2.2
5-14 hours	4,748	4,535	213	5.3	5.3	7.8
15-29 hours	11,266	10,748	518	12.7	12.5	18.9
30-34 hours	6,445	6,289	156	7.3	7.3	5.7
35 hours and over	65,496	63,702	1,795	73.7	74.0	65.5
35-39 hours	6,378	6,254	124	7.2	7.3	4.5
40 hours	35,344	34,907	437	39.8	40.5	15.9
41 hours and over	23,774	22,541	1,234	26.8	26.2	45.0
41 to 48 hours	9,515	9,279	236	10.7	10.8	8.6
49 to 59 hours	8,182	7,779	404	9.2	9.0	14.7
60 hours and over	6,077	5,483	594	6.8	6.4	21.7
Average hours, total at work	38.3	38.1	41.4	--	--	--
Average hours, workers on full-time schedules	42.8	42.6	49.6	--	--	--

A-27. Persons at work 1 - 34 hours by usual status and reason for working less than 35 hours

[Numbers in thousands]

Reason for working less than 35 hours	December 1977					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total	23,356	8,107	15,249	22,411	7,724	14,687
Economic reasons	3,233	1,357	1,876	3,008	1,214	1,794
Slack work	1,537	1,035	502	1,354	906	448
Material shortages or repairs to plant and equipment	69	69	--	65	65	--
New job started during week	183	183	--	181	181	--
Job terminated during week	69	69	--	62	62	--
Could find only part-time work	1,374	--	1,374	1,346	--	1,346
Other reasons	20,123	6,750	13,373	19,403	6,510	12,892
Does not want, or unavailable for, full-time work	11,267	--	11,267	10,907	--	10,907
Vacation	635	635	--	628	628	--
Illness	2,059	1,868	191	1,997	1,837	160
Bad weather	2,899	2,899	--	2,733	2,733	--
Industrial dispute	44	44	--	44	44	--
Legal or religious holiday	61	61	--	61	61	--
Full time for this job	1,313	--	1,313	1,276	--	1,276
All other reasons	1,845	1,243	602	1,753	1,204	549
Average hours:						
Economic reasons	20.9	23.2	19.2	20.9	23.4	19.2
Other reasons	20.7	25.9	18.1	20.8	26.0	18.2
Worked 30 to 34 hours:						
Economic reasons	883	540	343	828	501	327
Other reasons	5,562	3,473	2,089	5,461	3,412	2,049

A-28. Nonagricultural workers by industry and full- or part-time status

[Numbers in thousands]

Industry	December 1977								Average hours, total at work	Average hours, workers on full-time schedules
	Total at work	Full- or part-time status								
		On part time for economic reasons	On voluntary part time	On full-time schedules						
				Total	40 hours or less	41 to 48 hours	49 hours or more			
Total ¹	86,112	3,008	12,892	70,212	47,671	9,279	13,262	38.1	42.6	
Wage and salary workers	79,968	2,734	11,691	65,543	45,635	8,689	11,219	37.9	42.1	
Construction	4,356	264	242	3,850	2,940	406	504	37.5	39.8	
Manufacturing	19,797	520	590	18,687	12,940	2,976	2,771	40.6	41.8	
Durable goods	11,624	175	226	11,223	7,666	1,856	1,701	41.1	41.8	
Nondurable goods	8,173	345	365	7,463	5,273	1,120	1,070	40.0	41.8	
Transportation and public utilities	5,386	130	407	4,849	3,334	623	892	40.6	43.0	
Wholesale and retail trade	17,051	791	4,459	11,801	7,234	1,907	2,660	36.4	43.8	
Finance, insurance, and real estate	4,636	70	498	4,068	3,023	403	642	38.7	41.4	
Service industries	23,061	881	5,191	16,989	12,272	1,793	2,924	35.4	41.8	
Private households	1,386	184	753	449	320	44	85	22.7	42.6	
All other industries	21,675	697	4,438	16,540	11,952	1,749	2,839	36.2	41.8	
Public administration	4,970	63	287	4,620	3,533	466	621	40.0	41.7	
Self-employed workers	5,720	267	1,008	4,445	1,908	569	1,968	41.6	48.6	
Unpaid family workers	424	8	193	223	127	20	76	35.0	46.7	

¹ Includes mining not shown separately.

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A-29. Persons at work in nonagricultural industries by full- or part-time status, sex, age, race, and marital status

[Numbers in thousands]

Sex, age, race, and marital status	December 1977							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Both sexes, 16 years and over	86,112	3,008	12,892	70,212	47,671	22,541	38.1	42.6
16 to 21 years	11,853	743	4,774	6,336	4,834	1,502	29.6	40.4
16 to 19 years	7,125	431	3,822	2,872	2,249	623	26.0	39.8
16 to 17 years	2,868	95	2,389	384	324	60	18.5	37.3
18 to 19 years	4,257	336	1,432	2,489	1,926	563	31.1	40.2
20 years and over	78,987	2,578	9,070	67,339	45,422	21,917	39.2	42.7
20 to 24 years	12,386	642	1,780	9,964	7,278	2,686	37.0	41.3
25 years and over	66,601	1,936	7,290	57,375	38,144	19,231	39.6	42.9
25 to 44 years	39,080	1,103	3,768	34,209	22,377	11,832	40.2	43.0
45 to 64 years	25,197	754	2,345	22,098	15,026	7,072	39.9	42.7
65 years and over	2,325	80	1,178	1,067	740	327	28.1	42.1
Males, 16 years and over	49,935	1,351	4,136	44,448	26,929	17,519	41.2	44.0
16 to 21 years	6,100	352	2,282	3,466	2,452	1,014	31.0	41.4
16 to 19 years	3,672	201	1,893	1,578	1,168	410	27.1	40.5
16 to 17 years	1,501	55	1,210	236	198	38	19.4	37.3
18 to 19 years	2,171	146	683	1,342	969	373	32.5	41.1
20 years and over	46,263	1,150	2,243	42,870	25,762	17,108	42.3	44.1
20 to 24 years	6,581	324	698	5,559	3,675	1,884	39.0	42.7
25 years and over	39,682	826	1,545	37,311	22,087	15,224	42.8	44.3
25 to 44 years	23,230	491	509	22,230	12,798	9,432	43.6	44.6
45 to 64 years	15,068	303	382	14,383	8,826	5,557	43.0	44.1
65 years and over	1,384	33	656	695	460	235	29.3	42.0
Females, 16 years and over	36,178	1,658	8,756	25,764	20,742	5,022	33.9	40.0
16 to 21 years	5,753	391	2,492	2,870	2,381	489	28.1	39.3
16 to 19 years	3,453	230	1,929	1,294	1,082	212	24.8	39.0
16 to 17 years	1,367	40	1,180	147	124	23	17.5	37.1
18 to 19 years	2,086	190	749	1,147	957	190	29.6	39.3
20 years and over	32,725	1,427	6,827	24,471	19,661	4,810	34.9	40.1
20 to 24 years	5,805	318	1,082	4,405	3,603	802	34.8	39.6
25 years and over	26,920	1,109	5,745	20,066	16,058	4,008	34.9	40.2
25 to 44 years	15,849	612	3,259	11,978	9,578	2,400	35.2	40.2
45 to 64 years	10,129	450	1,963	7,716	6,202	1,514	35.3	40.2
65 years and over	941	47	523	371	278	93	26.2	42.3
RACE								
White	76,577	2,489	11,729	62,359	41,290	21,069	38.3	42.8
Males	44,977	1,130	3,754	40,093	23,593	16,500	41.5	44.3
Females	31,600	1,359	7,975	22,266	17,696	4,570	33.8	40.1
Black and other	9,535	521	1,164	7,850	6,379	1,471	36.8	40.6
Males	4,958	221	383	4,354	3,335	1,019	38.6	41.4
Females	4,577	300	781	3,496	3,044	452	34.8	39.7
MARITAL STATUS								
Males:								
Married, spouse present	35,379	661	1,240	33,478	19,497	13,981	43.2	44.5
Widowed, divorced, or separated	3,706	156	206	3,344	2,097	1,247	41.3	43.7
Single (never married)	10,849	534	2,690	7,625	5,336	2,289	34.7	42.0
Females:								
Married, spouse present	20,622	840	4,934	14,848	11,989	2,859	34.2	39.9
Widowed, divorced, or separated	6,784	370	1,043	5,371	4,230	1,141	36.1	40.5
Single (never married)	8,771	447	2,779	5,545	4,523	1,022	31.6	40.0

A-30. Persons at work in nonfarm occupations by full- or part-time status and sex

[Numbers in thousands]

Occupational group and sex	December 1977								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full- time schedules	
				Total	40 hours or less	41 to 48 hours			49 hours or more
TOTAL									
White-collar workers	45,451	954	6,779	37,718	24,898	4,667	8,153	39.0	43.1
Professional and technical	13,732	254	1,695	11,783	7,758	1,451	2,574	39.4	42.9
Managers and administrators, except farm	9,655	76	422	9,157	4,182	1,402	3,573	46.1	47.5
Sales workers	5,792	254	1,539	3,999	2,406	514	1,079	36.2	43.8
Clerical workers	16,272	409	3,122	12,741	10,515	1,300	926	35.5	39.9
Blue-collar workers	29,013	1,303	2,095	25,615	17,540	3,900	4,175	39.3	42.0
Craft and kindred workers	11,541	366	433	10,742	6,997	1,716	2,029	41.0	42.5
Operatives, except transport	9,955	496	558	8,901	6,544	1,339	1,018	38.9	41.0
Transport equipment operatives	3,333	103	299	2,931	1,618	480	833	41.5	44.6
Nonfarm laborers	4,183	338	805	3,040	2,380	366	294	34.0	40.0
Service workers	12,102	796	4,108	7,198	5,407	750	1,041	32.1	41.9
Private household	1,208	142	668	398	279	39	80	23.1	42.2
Other service workers	10,895	655	3,440	6,800	5,127	711	962	33.0	41.9
Males									
White-collar workers	21,854	261	1,554	20,039	10,688	2,845	6,506	43.5	45.8
Professional and technical	7,871	103	552	7,216	4,262	927	2,027	42.5	44.6
Managers and administrators, except farm	7,496	45	200	7,251	3,001	1,126	3,124	47.6	48.5
Sales workers	3,152	53	387	2,712	1,412	362	938	41.6	45.4
Clerical workers	3,336	60	415	2,861	2,014	429	418	38.7	42.1
Blue-collar workers	23,821	961	1,520	21,340	14,075	3,346	3,919	40.0	42.5
Craft and kindred workers	11,001	346	358	10,297	6,673	1,650	1,974	41.2	42.6
Operatives, except transport	6,008	220	300	5,488	3,752	898	838	40.2	42.1
Transport equipment operatives	3,104	90	184	2,830	1,539	462	829	42.6	44.8
Nonfarm laborers	3,709	305	677	2,727	2,113	336	278	34.2	40.2
Service workers	4,566	165	1,085	3,316	2,281	398	637	36.4	43.5
Private household	30	6	9	15	8	4	3	28.7	44.5
Other service workers	4,537	159	1,075	3,303	2,276	393	634	36.4	43.5
Females									
White-collar workers	23,597	692	5,225	17,680	14,212	1,822	1,646	34.8	40.1
Professional and technical	5,862	151	1,144	4,567	3,496	524	547	35.2	40.2
Managers and administrators, except farm	2,158	30	222	1,906	1,181	276	449	40.9	43.6
Sales workers	2,641	161	1,152	1,328	1,036	151	141	29.8	40.5
Clerical workers	12,936	349	2,707	9,880	8,499	871	510	34.7	39.3
Blue-collar workers	5,191	342	575	4,274	3,466	554	254	36.1	39.5
Craft and kindred workers	541	20	75	446	325	66	55	37.5	41.0
Operatives, except transport	3,947	277	258	3,412	2,792	440	180	36.9	39.3
Transport equipment operatives	229	13	114	102	80	18	4	27.4	38.8
Nonfarm laborers	475	33	128	314	269	30	15	31.6	38.9
Service workers	7,536	631	3,023	3,882	3,126	352	404	29.4	40.5
Private household	1,178	136	659	383	271	35	77	22.9	42.1
Other service workers	6,358	495	2,364	3,499	2,854	318	327	30.6	40.4

HOUSEHOLD DATA

A-31. Employment status of 14-15 year-olds by sex and race

[Numbers in thousands]

Employment status	December 1977								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	8,230	4,189	4,041	6,915	3,528	3,387	1,315	661	654
Civilian labor force	1,490	780	710	1,396	718	678	94	61	32
Employed	1,351	690	661	1,297	652	646	54	39	15
Agriculture	82	69	13	80	67	13	1	2	--
Nonagricultural industries	1,270	622	648	1,217	584	633	53	37	15
Unemployed	139	89	49	99	67	32	40	23	17
Unemployment rate	9.3	11.4	6.9	7.1	9.3	4.7	42.6	(1)	(1)
Not in labor force	6,741	3,410	3,331	5,519	2,810	2,709	1,222	599	622
Keeping house	38	14	24	32	11	21	6	3	3
Going to school	6,569	3,326	3,244	5,376	2,739	2,637	1,194	587	607
Unable to work	1	--	1	1	--	1	--	--	--
All other reasons	133	70	63	111	61	50	22	9	13

¹ Percent not shown where base is less than 75,000.

A-32. Employed 14-15 year-olds by sex, class of worker, and occupation

Characteristics	December 1977					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,351	690	661	100.0	100.0	100.0
Nonagricultural industries	1,270	622	648	93.9	90.0	98.0
Wage and salary workers	1,158	539	618	85.7	78.2	93.5
Private household workers	511	116	394	37.8	16.8	59.6
Government workers	45	27	18	3.3	3.9	2.7
Other wage and salary workers	602	396	206	44.5	57.5	31.2
Self-employed workers	100	77	23	7.4	11.2	3.5
Unpaid family workers	12	5	7	.9	.7	1.1
Agriculture	82	69	13	6.1	9.9	2.0
Wage and salary workers	40	33	7	3.0	4.8	1.1
Self-employed workers	4	4	--	.3	.6	--
Unpaid family workers	38	31	6	2.8	4.5	.9
OCCUPATION						
Total	1,351	690	661	100.0	100.0	100.0
White-collar workers	341	236	106	25.2	34.0	16.0
Professional and technical	11	4	7	.8	.6	1.1
Managers and administrators, except farm	4	2	2	.3	.3	.3
Sales workers	258	195	63	19.1	28.3	9.5
Clerical workers	68	33	34	5.0	4.8	5.1
Blue-collar workers	221	192	30	16.4	27.9	4.5
Craft and kindred workers	14	14	--	1.0	2.0	--
Operatives, except transport	49	35	14	3.6	5.1	2.1
Transport equipment operatives	3	3	--	.2	.4	--
Nonfarm laborers	155	140	16	11.5	20.3	2.4
Service workers	717	198	519	53.1	28.6	78.4
Private household workers	440	48	391	32.6	7.0	59.1
Other service workers	277	149	128	20.5	21.7	19.3
Farm workers	72	65	7	5.3	9.4	1.1
Farmers and farm managers	2	2	--	.1	.3	--
Farm laborers and supervisors	70	63	7	5.2	9.2	1.1

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-33. Employment status of the noninstitutional population by sex and age, seasonally adjusted

[Numbers in thousands]

Employment status	1976	1977											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL													
Total noninstitutional population ¹	157,176	157,381	157,584	157,782	157,986	158,228	158,456	158,682	158,899	159,114	159,334	159,522	159,736
Armed Forces ¹	2,146	2,133	2,137	2,138	2,132	2,128	2,129	2,135	2,137	2,131	2,134	2,132	2,129
Civilian noninstitutional population ¹	155,031	155,248	155,447	155,643	155,854	156,101	156,327	156,547	156,761	156,982	157,201	157,389	157,608
Civilian labor force	95,960	95,516	96,145	96,539	96,760	97,158	97,641	97,305	97,697	97,868	98,102	98,998	98,926
Percent of civilian population	61.9	61.5	61.9	62.0	62.1	62.2	62.5	62.2	62.3	62.3	62.4	62.9	62.8
Employed	88,441	88,558	88,962	89,475	90,023	90,408	90,679	90,561	90,771	91,095	91,230	92,180	92,589
Percent of total population	56.3	56.3	56.5	56.7	57.0	57.1	57.2	57.1	57.1	57.3	57.3	57.8	58.0
Agriculture	3,257	3,090	3,090	3,116	3,260	3,386	3,338	3,213	3,252	3,215	3,272	3,362	3,331
Nonagricultural industries	85,184	85,468	85,872	86,359	86,763	87,022	87,341	87,348	87,519	87,880	87,958	88,818	89,258
Unemployed	7,519	6,958	7,183	7,064	6,737	6,750	6,962	6,744	6,926	6,773	6,872	6,818	6,337
Unemployment rate	7.8	7.3	7.5	7.3	7.0	6.9	7.1	6.9	7.1	6.9	7.0	6.9	6.4
Not in labor force	59,071	59,732	59,302	59,104	59,094	58,943	58,686	59,242	59,064	59,114	59,099	58,391	58,682
Males, 20 years and over													
Total noninstitutional population ¹	66,835	66,930	67,025	67,114	67,209	67,324	67,431	67,537	67,642	67,745	67,852	67,948	68,052
Civilian noninstitutional population ¹	65,140	65,250	65,342	65,423	65,522	65,641	65,743	65,845	65,947	66,056	66,161	66,257	66,364
Civilian labor force	52,078	51,842	52,092	52,061	52,089	52,282	52,497	52,494	52,588	52,545	52,844	53,033	53,142
Percent of civilian population	79.9	79.5	79.7	79.6	79.5	79.6	79.9	79.7	79.7	79.7	79.9	80.0	80.1
Employed	48,859	48,961	49,091	49,267	49,465	49,531	49,859	49,794	49,854	49,884	50,043	50,421	50,666
Percent of total population	73.1	73.2	73.2	73.4	73.6	73.6	73.9	73.7	73.7	73.6	73.8	74.2	74.5
Agriculture	2,273	2,209	2,230	2,208	2,280	2,373	2,372	2,305	2,355	2,343	2,338	2,318	2,344
Nonagricultural industries	46,586	46,752	46,861	47,059	47,185	47,158	47,487	47,489	47,499	47,541	47,705	48,103	48,322
Unemployed	3,219	2,881	3,001	2,794	2,624	2,751	2,638	2,700	2,734	2,573	2,801	2,612	2,476
Unemployment rate	6.2	5.6	5.8	5.4	5.0	5.3	5.0	5.1	5.2	4.9	5.3	4.9	4.7
Not in labor force	13,062	13,408	13,250	13,362	13,433	13,359	13,246	13,351	13,359	13,599	13,317	13,224	13,222
Females, 20 years and over													
Total noninstitutional population ¹	73,535	73,642	73,746	73,852	73,958	74,081	74,198	74,315	74,429	74,543	74,660	74,768	74,883
Civilian noninstitutional population ¹	73,445	73,550	73,654	73,757	73,863	73,987	74,101	74,217	74,332	74,444	74,561	74,669	74,783
Civilian labor force	34,938	34,740	34,982	35,295	35,455	35,634	35,667	35,667	35,723	36,201	35,931	36,505	36,435
Percent of civilian population	47.6	47.2	47.5	47.9	48.0	48.2	48.1	48.1	48.1	48.6	48.2	48.9	48.7
Employed	32,340	32,331	32,477	32,750	32,985	33,288	33,116	33,212	33,172	33,672	33,474	33,921	34,011
Percent of total population	44.0	43.9	44.0	44.3	44.6	44.9	44.6	44.7	44.6	45.2	44.8	45.4	45.4
Agriculture	573	488	485	496	577	597	564	525	515	492	541	597	553
Nonagricultural industries	31,767	31,843	31,992	32,254	32,408	32,691	32,552	32,687	32,657	33,180	32,933	33,324	33,458
Unemployed	2,598	2,409	2,505	2,545	2,470	2,346	2,552	2,455	2,551	2,529	2,457	2,584	2,424
Unemployment rate	7.4	6.9	7.2	7.2	7.0	6.6	7.2	6.9	7.1	7.0	6.8	7.1	6.7
Not in labor force	38,507	38,810	38,672	38,462	38,408	38,353	38,426	38,550	38,609	38,243	38,630	38,164	38,348
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,806	16,810	16,813	16,816	16,819	16,823	16,827	16,830	16,828	16,825	16,822	16,806	16,802
Civilian noninstitutional population ¹	16,446	16,448	16,451	16,464	16,468	16,473	16,483	16,485	16,483	16,483	16,480	16,463	16,460
Civilian labor force	8,944	8,934	9,071	9,183	9,216	9,242	9,469	9,144	9,386	9,210	9,327	9,460	9,349
Percent of civilian population	54.4	54.3	55.1	55.8	56.0	56.1	57.4	55.5	56.9	55.9	56.6	57.5	56.8
Employed	7,242	7,266	7,394	7,458	7,573	7,589	7,704	7,555	7,745	7,539	7,713	7,838	7,912
Percent of total population	43.1	43.2	44.0	44.4	45.0	45.1	45.8	44.9	46.0	44.8	45.9	46.6	47.1
Agriculture	411	393	375	412	403	416	402	383	382	380	393	447	434
Nonagricultural industries	6,831	6,873	7,019	7,046	7,170	7,173	7,302	7,172	7,363	7,159	7,320	7,391	7,478
Unemployed	1,702	1,668	1,677	1,725	1,643	1,653	1,765	1,589	1,641	1,671	1,614	1,622	1,437
Unemployment rate	19.0	18.7	18.5	18.8	17.8	17.9	18.6	17.4	17.5	18.1	17.3	17.1	15.4
Not in labor force	7,502	7,514	7,380	7,281	7,252	7,231	7,014	7,341	7,097	7,273	7,153	7,003	7,111

¹ The population and Armed Forces figures are not adjusted for seasonal variations. NOTE: Detail for the household data shown in tables A-33 through A-43 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

A-34. Full- and part-time status of the civilian labor force, seasonally adjusted

[Numbers in thousands]

Full- and part-time employment status	1976	1977											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
FULL TIME													
Total, 16 years and over:													
Civilian labor force	82,048	81,730	81,946	82,074	82,229	82,738	83,306	82,994	83,257	83,302	83,519	84,081	84,158
Employed	75,923	76,223	76,295	76,606	76,886	77,349	77,905	77,587	77,624	77,895	78,019	78,698	79,163
Unemployed	6,125	5,507	5,651	5,468	5,343	5,389	5,401	5,407	5,633	5,407	5,500	5,383	4,995
Unemployment rate	7.5	6.7	6.9	6.7	6.5	6.5	6.5	6.5	6.8	6.5	6.6	6.4	5.9
PART TIME													
Total, 16 years and over:													
Civilian labor force	13,912	13,980	14,265	14,426	14,587	14,435	14,192	14,229	14,498	14,635	14,639	14,857	14,759
Employed	12,546	12,549	12,736	12,820	13,146	13,006	12,668	12,925	13,205	13,244	13,223	13,428	13,446
Unemployed	1,366	1,431	1,529	1,606	1,441	1,429	1,524	1,304	1,293	1,391	1,416	1,429	1,313
Unemployment rate	9.8	10.2	10.7	11.1	9.9	9.9	10.7	9.2	8.9	9.5	9.7	9.6	8.9

NOTE: Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-35. Employment status by race, sex, and age, seasonally adjusted

[Numbers in thousands]

Characteristics	1976	1977											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
WHITE													
Total, 16 years and over:													
Civilian labor force	84,854	84,616	85,086	85,482	85,642	85,937	86,268	85,968	86,285	86,471	86,861	87,442	87,214
Employed	78,828	78,923	79,365	79,832	80,249	80,603	80,813	80,752	81,010	81,214	81,540	82,216	82,353
Unemployed	6,026	5,693	5,721	5,650	5,393	5,334	5,455	5,216	5,275	5,257	5,321	5,226	4,861
Unemployment rate	7.1	6.7	6.7	6.6	6.3	6.2	6.3	6.1	6.1	6.1	6.1	6.0	5.6
Males, 20 years and over:													
Civilian labor force	46,624	46,347	46,605	46,584	46,600	46,769	46,967	46,948	47,086	47,057	47,381	47,490	47,542
Employed	44,044	44,035	44,159	44,299	44,434	44,563	44,856	44,811	44,987	45,042	45,233	45,447	45,590
Unemployed	2,580	2,312	2,446	2,285	2,166	2,206	2,111	2,137	2,099	2,015	2,148	2,043	1,952
Unemployment rate	5.5	5.0	5.2	4.9	4.6	4.7	4.5	4.6	4.5	4.3	4.5	4.3	4.1
Females, 20 years and over:													
Civilian labor force	30,211	30,071	30,261	30,588	30,663	30,838	30,879	30,868	30,873	31,188	31,135	31,523	31,362
Employed	28,143	28,170	28,328	28,604	28,781	29,021	28,895	28,958	28,921	29,253	29,198	29,565	29,499
Unemployed	2,068	1,901	1,933	1,984	1,882	1,817	1,984	1,910	1,952	1,935	1,937	1,958	1,863
Unemployment rate	6.8	6.3	6.4	6.5	6.1	5.9	6.4	6.2	6.3	6.2	6.2	6.2	5.9
Both sexes, 16 to 19 years:													
Civilian labor force	8,019	8,198	8,220	8,310	8,379	8,330	8,422	8,152	8,326	8,226	8,345	8,429	8,310
Employed	6,641	6,718	6,878	6,929	7,034	7,019	7,062	6,983	7,102	6,919	7,109	7,204	7,264
Unemployed	1,378	1,480	1,342	1,381	1,345	1,311	1,360	1,169	1,224	1,307	1,236	1,225	1,046
Unemployment rate	17.2	18.1	16.3	16.6	16.1	15.7	16.1	14.3	14.7	15.9	14.8	14.5	12.6
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	11,109	11,030	11,163	11,104	11,071	11,171	11,325	11,236	11,402	11,359	11,375	11,575	11,741
Employed	9,623	9,648	9,697	9,690	9,711	9,730	9,833	9,758	9,744	9,868	9,799	9,976	10,269
Unemployed	1,486	1,382	1,466	1,414	1,360	1,441	1,492	1,478	1,658	1,491	1,576	1,599	1,472
Unemployment rate	13.4	12.5	13.1	12.7	12.3	12.9	13.2	13.2	14.5	13.1	13.9	13.8	12.5
Males, 20 years and over:													
Civilian labor force	5,457	5,464	5,523	5,506	5,432	5,502	5,551	5,494	5,514	5,414	5,516	5,556	5,616
Employed	4,838	4,907	4,976	4,991	4,972	4,959	5,018	4,941	4,867	4,849	4,872	4,981	5,106
Unemployed	619	557	547	515	460	543	533	553	647	565	644	575	510
Unemployment rate	11.3	10.2	9.9	9.4	8.5	9.9	9.6	10.1	11.7	10.4	11.7	10.3	9.1
Females, 20 years and over:													
Civilian labor force	4,714	4,674	4,758	4,725	4,775	4,811	4,784	4,741	4,847	4,972	4,860	4,988	5,066
Employed	4,173	4,171	4,167	4,176	4,188	4,245	4,215	4,223	4,257	4,410	4,307	4,366	4,499
Unemployed	541	503	591	549	587	566	569	518	590	562	553	622	567
Unemployment rate	11.5	10.8	12.4	11.6	12.3	11.8	11.9	10.9	12.2	11.3	11.4	12.5	11.2
Both sexes, 16 to 19 years:													
Civilian labor force	938	892	882	873	864	858	990	1,001	1,041	973	999	1,031	1,059
Employed	612	570	554	523	551	526	600	594	620	609	620	629	664
Unemployed	326	322	328	350	313	332	390	407	421	364	379	402	395
Unemployment rate	34.8	36.1	37.2	40.1	36.2	38.7	39.4	40.7	40.4	37.4	37.9	39.0	37.3

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-36. Major unemployment indicators, seasonally adjusted

(Unemployment rates)

Selected categories	1976	1977											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Characteristics													
Total (all civilian workers)	7.8	7.3	7.5	7.3	7.0	6.9	7.1	6.9	7.1	6.9	7.0	6.9	6.4
Males, 20 years and over	6.2	5.6	5.8	5.4	5.0	5.3	5.0	5.1	5.2	4.9	5.3	4.9	4.7
Females, 20 years and over	7.4	6.9	7.2	7.2	7.0	6.6	7.2	6.9	7.1	7.0	6.8	7.1	6.7
Both sexes, 16-19 years	19.0	18.7	18.5	18.8	17.8	17.9	18.6	17.4	17.5	18.1	17.3	17.1	15.4
White	7.1	6.7	6.7	6.6	6.3	6.2	6.3	6.1	6.1	6.1	6.1	6.0	5.6
Black and other	13.4	12.5	13.1	12.7	12.3	12.9	13.2	13.2	14.5	13.1	13.9	13.8	12.5
Household heads	5.1	4.8	4.9	4.6	4.4	4.5	4.3	4.3	4.6	4.5	4.6	4.3	4.0
Married men	4.3	3.8	4.1	3.7	3.6	3.6	3.4	3.4	3.5	3.4	3.7	3.4	3.3
Full-time workers	7.5	6.7	6.9	6.7	6.5	6.5	6.5	6.5	6.8	6.5	6.6	6.4	5.9
Part-time workers	9.8	10.2	10.7	11.1	9.9	9.9	10.7	9.2	8.9	9.5	9.7	9.6	8.9
Unemployed 15 weeks and over ¹	2.6	2.4	2.3	2.0	1.9	1.9	1.8	1.9	1.9	1.9	1.9	2.0	1.9
Labor force time lost ²	8.4	8.0	7.9	7.8	7.4	7.5	7.5	7.4	7.7	7.4	7.5	7.5	7.1
OCCUPATION													
White-collar workers	4.5	4.5	4.6	4.7	4.4	4.3	4.2	4.0	4.2	4.2	4.1	4.3	3.9
Professional and technical	3.3	3.3	3.3	3.1	3.2	2.9	3.0	2.8	3.0	3.0	3.0	3.0	2.7
Managers and administrators, except farm	3.1	3.0	2.8	3.4	2.9	2.8	2.7	2.6	2.5	2.5	2.6	3.0	2.5
Sales workers	5.0	5.7	5.6	5.5	5.1	5.5	5.2	5.4	5.3	5.1	5.0	5.0	4.6
Clerical workers	6.1	6.0	6.4	6.5	6.0	5.7	5.7	5.4	5.8	6.0	5.7	5.7	5.4
Blue-collar workers	9.6	8.4	8.7	8.3	7.8	7.9	7.7	8.2	8.4	7.9	8.3	7.9	7.3
Craft and kindred workers	7.0	6.1	6.5	6.0	4.9	5.6	5.6	5.6	5.5	5.2	5.5	5.3	5.3
Operatives, except transport	11.0	9.2	9.6	9.2	9.3	8.9	9.4	10.1	10.0	10.2	10.2	9.7	8.5
Transport equipment operatives	8.1	7.2	7.7	6.9	6.0	6.7	5.7	7.5	7.6	5.7	6.5	5.4	5.9
Nonfarm laborers	13.9	12.9	12.8	13.2	12.6	12.5	10.9	10.7	12.6	11.1	12.2	12.3	10.6
Service workers	9.0	8.6	8.4	7.9	8.1	9.0	8.2	7.7	8.4	7.8	8.3	7.8	8.0
Farm workers	6.1	4.8	6.7	5.4	4.8	4.4	4.8	3.8	3.7	4.7	4.3	4.1	4.1
INDUSTRY													
Nonagricultural private wage and salary workers ³	7.9	7.4	7.6	7.4	7.0	7.1	6.9	6.8	7.0	6.9	7.1	6.9	6.3
Construction	14.1	14.9	15.2	14.2	12.0	13.0	12.6	12.1	11.5	10.4	12.2	11.3	10.5
Manufacturing	8.2	6.9	7.1	6.6	6.7	6.2	6.3	6.7	7.0	7.2	7.0	6.8	5.8
Durable goods	8.0	6.5	7.0	6.6	6.0	5.7	5.6	6.1	6.5	6.6	6.3	6.3	5.7
Nondurable goods	8.6	7.4	7.3	7.3	7.7	7.0	7.3	7.6	7.7	8.2	8.1	7.5	6.0
Transportation and public utilities	5.2	4.7	4.6	5.1	4.4	4.3	4.1	4.7	4.9	5.0	5.0	4.7	5.0
Wholesale and retail trade	8.2	8.4	8.7	8.4	7.8	8.3	7.9	7.7	8.3	7.6	8.1	7.5	7.2
Finance and service industries	6.8	6.2	6.2	6.4	6.1	6.6	6.0	5.7	5.6	5.7	5.9	6.1	5.5
Government workers	4.4	4.3	4.5	4.0	4.0	4.1	4.2	3.9	4.4	4.0	4.1	4.4	4.4
Agricultural wage and salary workers	14.0	12.6	13.4	13.2	12.3	11.5	11.0	9.7	9.3	10.4	10.4	9.1	10.2

¹ Unemployment as a percent of civilian labor force.

as a percent of potentially available labor force hours.

² Aggregate hours lost by the unemployed and persons on part-time for economic reasons

³ Includes mining, not shown separately.

A-37. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Weeks of unemployment	1976	1977											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Duration													
Less than 5 weeks	2,765	2,762	2,804	3,005	3,100	2,782	3,058	2,830	2,870	2,789	2,890	2,844	2,547
5 to 14 weeks	2,319	2,083	2,107	2,098	1,857	2,093	2,023	1,969	2,338	2,236	2,208	2,115	1,955
15 weeks and over	2,514	2,283	2,182	1,923	1,816	1,836	1,737	1,834	1,808	1,866	1,862	1,933	1,838
15 to 26 weeks	1,130	1,038	947	777	715	800	798	917	966	940	916	1,003	950
27 weeks and over	1,384	1,245	1,235	1,146	1,101	1,036	939	917	842	926	946	930	888
Average (mean) duration, in weeks	15.6	15.5	14.7	14.0	14.3	14.9	14.4	14.1	13.5	14.2	13.8	13.8	14.1
Percent distribution													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	36.4	38.7	39.5	42.8	45.8	41.5	44.9	42.7	40.9	40.5	41.5	41.3	40.2
5 to 14 weeks	30.5	29.2	29.7	29.9	27.4	31.2	29.7	29.7	33.3	32.4	31.7	30.7	30.8
15 weeks and over	33.1	32.0	30.8	27.4	26.8	27.4	25.5	27.6	25.8	27.1	26.8	28.0	29.0
15 to 26 weeks	14.9	14.6	13.4	11.1	10.6	11.9	11.7	13.8	13.8	13.6	13.2	14.6	15.0
27 weeks and over	18.2	17.5	17.4	16.3	16.3	15.4	13.8	13.8	12.0	13.4	13.6	13.5	14.0

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-38. Rates of unemployment by sex and age, seasonally adjusted

Sex and age	1976	1977											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total, 16 years and over	7.8	7.3	7.5	7.3	7.0	6.9	7.1	6.9	7.1	6.9	7.0	6.9	6.4
16 to 19 years	19.0	18.7	18.5	18.8	17.8	17.9	18.6	17.4	17.5	18.1	17.3	17.1	15.4
16 to 17 years	20.7	21.1	19.8	22.2	19.2	20.4	21.3	19.9	20.7	19.8	18.8	18.9	17.4
18 to 19 years	17.7	17.0	17.5	16.6	16.8	16.3	16.5	15.3	15.6	16.9	16.3	16.0	13.7
20 to 24 years	12.5	11.4	12.0	11.4	10.8	10.7	10.5	10.6	11.1	10.7	10.6	10.8	10.5
25 years and over	5.5	5.1	5.2	5.1	4.9	4.8	5.0	5.0	5.0	4.8	5.0	4.8	4.5
25 to 54 years	5.9	5.3	5.3	5.2	5.1	5.1	5.3	5.2	5.3	4.9	5.2	4.9	4.6
55 years and over	4.2	4.1	4.8	4.3	4.1	4.0	3.8	3.9	3.9	4.2	4.2	4.2	4.0
Males, 16 years and over	7.3	6.6	6.9	6.5	6.1	6.3	6.2	6.2	6.3	6.0	6.3	5.9	5.6
16 to 19 years	19.1	17.4	18.6	18.7	17.0	17.0	18.6	16.9	17.6	17.5	16.7	16.5	15.1
16 to 17 years	21.0	19.5	19.3	22.2	17.9	18.7	22.7	20.2	21.7	19.2	18.8	18.2	16.2
18 to 19 years	17.4	16.1	17.9	16.1	16.0	16.0	15.5	14.7	14.8	16.0	15.1	15.3	13.9
20 to 24 years	12.9	11.3	12.1	11.2	10.5	10.6	9.9	10.6	11.3	10.5	10.2	10.1	10.1
25 years and over	5.0	4.6	4.6	4.3	4.1	4.2	4.1	4.2	4.2	3.9	4.4	4.0	3.7
25 to 54 years	5.2	4.7	4.6	4.3	4.3	4.4	4.3	4.3	4.4	3.8	4.5	4.0	3.7
55 years and over	3.9	4.0	4.7	4.4	3.7	3.9	3.3	3.6	3.5	3.9	4.1	3.7	3.7
Females, 16 years and over	8.6	8.3	8.4	8.5	8.2	7.9	8.4	8.0	8.3	8.2	8.0	8.2	7.6
16 to 19 years	18.9	20.1	18.4	18.9	18.8	19.0	18.7	17.9	17.4	18.9	18.0	17.9	15.7
16 to 17 years	20.2	23.0	20.4	22.2	20.8	22.5	19.7	19.5	19.4	20.5	18.7	19.7	18.9
18 to 19 years	18.0	18.1	16.9	17.1	17.7	16.6	17.5	16.0	16.4	17.9	17.6	16.8	13.5
20 to 24 years	11.9	11.4	11.9	11.7	11.2	10.9	11.0	10.5	10.8	10.9	11.2	11.7	11.0
25 years and over	6.4	5.9	6.1	6.1	6.0	5.7	6.3	6.2	6.2	6.1	5.9	6.1	5.7
25 to 54 years	6.9	6.2	6.3	6.6	6.5	6.1	6.7	6.4	6.6	6.4	6.3	6.3	6.0
55 years and over	4.7	4.3	4.9	4.2	4.6	4.3	6.7	4.4	4.6	4.5	4.4	5.0	4.4

A-39. Unemployed persons by reason for unemployment, seasonally adjusted

[Numbers in thousands]

Reason for unemployment	1976	1977											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
NUMBER OF UNEMPLOYED													
Job losers	3,736	3,207	3,396	3,143	2,953	3,038	2,927	3,075	3,289	3,144	3,139	3,088	2,755
On layoff	1,057	791	1,001	865	754	749	827	919	1,018	928	947	812	699
Other job losers	2,679	2,416	2,395	2,278	2,199	2,289	2,100	2,156	2,271	2,216	2,192	2,276	2,056
Job leavers	831	932	852	919	846	944	954	841	910	873	886	872	852
Reentrants	1,957	1,991	1,963	2,013	2,001	1,993	1,889	1,822	1,857	1,856	1,915	1,937	1,900
New entrants	942	905	936	1,003	972	893	1,077	974	1,000	935	840	907	809
PERCENT DISTRIBUTION													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	50.0	45.6	47.5	44.4	43.6	44.2	42.7	45.8	46.6	46.2	46.3	45.4	43.6
On layoff	14.2	11.2	14.0	12.2	11.1	10.9	12.1	13.7	14.4	13.6	14.0	11.9	11.1
Other job losers	35.9	34.3	33.5	32.2	32.5	33.2	30.7	32.1	32.2	32.5	32.3	33.5	32.6
Job leavers	11.1	13.2	11.9	13.0	12.5	13.7	13.9	12.5	12.9	12.8	13.1	12.8	13.5
Reentrants	26.2	28.3	27.5	28.4	29.5	29.0	27.6	27.1	26.3	27.3	28.2	28.5	30.1
New entrants	12.6	12.9	13.1	14.2	14.4	13.0	15.7	14.5	14.2	13.7	12.4	13.3	12.8
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.9	3.4	3.5	3.3	3.1	3.1	3.0	3.2	3.4	3.2	3.2	3.1	2.8
Job leavers	.9	1.0	.9	1.0	.9	1.0	1.0	.9	.9	.9	.9	.9	.9
Reentrants	2.0	2.1	2.0	2.1	2.1	2.1	1.9	1.9	1.9	1.9	2.0	2.0	1.9
New entrants	1.0	.9	1.0	1.0	1.0	.9	1.1	1.0	1.0	1.0	.9	.9	.8

**HOUSEHOLD DATA
SEASONALLY ADJUSTED**

A-40. Employed persons by sex and age, seasonally adjusted

[In thousands]

Sex and age	1976	1977											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total, 16 years and over	88,441	88,558	88,962	89,475	90,023	90,408	90,679	90,561	90,771	91,095	91,230	92,180	92,589
16 to 19 years	7,242	7,266	7,394	7,458	7,573	7,589	7,704	7,555	7,745	7,539	7,713	7,838	7,912
16 to 17 years	2,914	2,906	3,017	2,972	3,092	3,044	3,056	3,029	3,111	3,134	3,163	3,237	3,253
18 to 19 years	4,332	4,396	4,402	4,461	4,523	4,499	4,605	4,507	4,616	4,451	4,550	4,598	4,671
20 to 24 years	12,459	12,598	12,634	12,706	12,710	12,758	12,986	12,901	12,887	13,008	12,960	12,972	13,107
25 years and over	68,762	68,759	68,980	69,336	69,744	70,082	70,014	70,033	70,032	70,582	70,614	71,271	71,550
25 to 54 years	55,059	55,239	55,511	55,787	56,010	56,233	56,356	56,456	56,496	56,828	56,704	57,195	57,505
55 years and over	13,702	13,564	13,538	13,530	13,698	13,780	13,671	13,602	13,586	13,757	13,927	14,061	14,070
Males, 16 years and over	52,799	52,918	53,046	53,270	53,575	53,722	53,987	53,900	53,958	53,966	54,266	54,715	54,996
16 to 19 years	3,940	3,957	3,955	4,003	4,110	4,191	4,128	4,106	4,104	4,082	4,223	4,294	4,330
16 to 17 years	1,622	1,588	1,617	1,613	1,714	1,734	1,640	1,674	1,702	1,729	1,771	1,835	1,853
18 to 19 years	2,316	2,381	2,358	2,384	2,433	2,481	2,451	2,420	2,392	2,391	2,449	2,464	2,487
20 to 24 years	6,879	6,975	6,951	6,988	6,958	6,929	7,069	7,036	7,034	7,041	7,119	7,093	7,163
25 years and over	42,016	41,993	42,160	42,298	42,500	42,639	42,809	42,687	42,708	42,881	42,976	43,315	43,509
25 to 54 years	33,529	33,594	33,799	33,908	34,029	34,070	34,190	34,123	34,175	34,358	34,360	34,590	34,802
55 years and over	8,500	8,449	8,384	8,395	8,461	8,543	8,592	8,558	8,524	8,502	8,651	8,728	8,740
Females, 16 years and over	35,642	35,640	35,916	36,205	36,448	36,686	36,692	36,661	36,813	37,129	36,964	37,465	37,593
16 to 19 years	3,302	3,309	3,439	3,455	3,463	3,398	3,576	3,449	3,641	3,457	3,490	3,544	3,582
16 to 17 years	1,292	1,318	1,400	1,359	1,378	1,310	1,416	1,355	1,409	1,405	1,392	1,402	1,400
18 to 19 years	2,016	2,015	2,044	2,077	2,094	2,081	2,154	2,087	2,224	2,060	2,101	2,144	2,184
20 to 24 years	5,580	5,623	5,683	5,718	5,752	5,829	5,917	5,865	5,853	5,967	5,841	5,879	5,944
25 years and over	26,746	26,766	26,820	27,038	27,244	27,443	27,205	27,346	27,324	27,701	27,638	27,956	28,041
25 to 54 years	21,530	21,645	21,712	21,879	21,981	22,163	22,166	22,333	22,321	22,470	22,344	22,605	22,703
55 years and over	5,202	5,115	5,154	5,135	5,237	5,237	5,079	5,044	5,062	5,255	5,276	5,333	5,330

A-41. Unemployed persons by sex and age, seasonally adjusted

[In thousands]

Sex and age	1976	1977											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total, 16 years and over	7,519	6,958	7,183	7,064	6,737	6,750	6,962	6,744	6,926	6,773	6,872	6,818	6,337
16 to 19 years	1,702	1,668	1,677	1,725	1,643	1,653	1,765	1,589	1,641	1,671	1,614	1,622	1,437
16 to 17 years	760	777	746	847	736	779	829	752	811	773	732	752	685
18 to 19 years	930	901	931	886	916	873	907	815	851	905	886	875	742
20 to 24 years	1,779	1,617	1,722	1,638	1,545	1,533	1,516	1,522	1,609	1,559	1,541	1,577	1,537
25 years and over	4,027	3,681	3,766	3,689	3,580	3,565	3,667	3,679	3,662	3,561	3,731	3,594	3,356
25 to 54 years	3,449	3,090	3,088	3,086	3,039	3,006	3,137	3,076	3,147	2,919	3,123	2,969	2,800
55 years and over	608	583	679	608	579	580	533	552	550	599	617	619	585
Males, 16 years and over	4,152	3,714	3,904	3,712	3,466	3,609	3,580	3,538	3,609	3,439	3,647	3,459	3,246
16 to 19 years	933	833	903	918	842	858	942	838	875	866	846	847	770
16 to 17 years	432	384	387	459	374	399	481	424	472	410	411	407	358
18 to 19 years	487	457	515	459	465	459	449	417	414	456	437	444	400
20 to 24 years	1,022	892	958	879	819	823	781	833	899	828	807	801	801
25 years and over	2,194	2,002	2,034	1,919	1,835	1,892	1,843	1,874	1,856	1,759	1,995	1,792	1,675
25 to 54 years	1,853	1,656	1,616	1,534	1,517	1,563	1,548	1,551	1,566	1,370	1,627	1,453	1,343
55 years and over	349	354	414	385	328	343	289	319	307	349	373	339	338
Females, 16 years and over	3,367	3,244	3,279	3,352	3,271	3,141	3,382	3,206	3,317	3,334	3,225	3,359	3,091
16 to 19 years	769	835	774	807	801	795	823	751	766	805	768	775	667
16 to 17 years	328	393	359	388	362	380	348	328	339	363	321	345	327
18 to 19 years	443	444	416	427	451	414	458	398	437	449	449	431	342
20 to 24 years	757	725	764	759	726	710	735	689	710	731	734	776	736
25 years and over	1,833	1,679	1,732	1,770	1,745	1,673	1,824	1,805	1,806	1,802	1,736	1,802	1,681
25 to 54 years	1,596	1,434	1,472	1,552	1,522	1,443	1,589	1,525	1,581	1,549	1,496	1,516	1,457
55 years and over	259	229	265	223	251	237	244	233	243	250	244	280	247

HOUSEHOLD DATA SEASONALLY ADJUSTED

A-42. Employed persons by selected social and economic categories, seasonally adjusted

[In thousands]

Selected categories	1976	1977											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
CHARACTERISTICS													
Total, 16 years and over	88,441	88,588	88,962	89,475	90,023	90,408	90,679	90,561	90,771	91,095	91,230	92,180	92,589
Married men, spouse present	37,998	38,195	38,159	38,294	38,536	38,509	38,582	38,434	38,316	38,358	38,386	38,485	38,616
Married women, spouse present	20,498	20,511	20,756	20,963	21,076	20,962	20,831	20,846	20,814	21,232	21,097	21,265	21,379
OCCUPATION													
White-collar workers	44,648	44,521	44,451	44,495	44,851	44,766	44,798	45,105	45,114	45,437	46,147	46,232	46,386
Professional and technical	13,544	13,444	13,408	13,439	13,591	13,483	13,638	13,863	13,720	13,777	14,054	13,918	14,011
Managers and administrators, except farm	9,564	9,613	9,502	9,543	9,434	9,400	9,570	9,583	9,688	9,777	9,951	9,916	9,962
Sales workers	5,815	5,633	5,815	5,617	5,765	5,695	5,673	5,716	5,722	5,748	5,687	5,780	5,897
Clerical workers	15,725	15,831	15,726	15,896	16,061	16,188	15,917	15,943	15,984	16,135	16,455	16,618	16,516
Blue-collar workers	29,150	29,634	29,917	30,025	30,193	30,423	30,432	30,063	30,231	30,282	30,084	30,370	30,842
Craft and kindred workers	11,302	11,626	11,668	11,709	11,896	11,894	11,891	11,887	11,931	11,974	11,827	12,040	12,220
Operatives, except transport	10,231	10,341	10,341	10,574	10,394	10,530	10,378	10,270	10,242	10,211	10,204	10,352	10,431
Transport equipment operatives	3,283	3,358	3,448	3,487	3,482	3,552	3,551	3,397	3,462	3,541	3,430	3,493	3,511
Nonfarm laborers	4,334	4,309	4,450	4,255	4,421	4,447	4,612	4,509	4,596	4,556	4,623	4,485	4,680
Service workers	11,880	11,874	12,017	12,272	12,254	12,372	12,697	12,460	12,591	12,604	12,420	12,592	12,558
Farm workers	2,791	2,624	2,663	2,652	2,779	2,904	2,838	2,743	2,778	2,676	2,783	2,795	2,798
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,380	1,246	1,280	1,282	1,310	1,325	1,381	1,271	1,331	1,350	1,402	1,401	1,377
Self-employed workers	1,530	1,490	1,511	1,513	1,548	1,655	1,595	1,561	1,604	1,566	1,584	1,607	1,592
Unpaid family workers	340	354	338	319	366	393	378	363	315	275	303	361	348
Nonagricultural industries:													
Wage and salary workers	78,957	79,205	79,520	79,869	80,306	80,429	80,814	80,738	80,951	81,341	81,651	82,269	82,642
Government	14,967	15,013	14,913	14,923	14,960	15,075	14,961	15,131	15,282	15,296	15,494	15,422	15,422
Private industries	63,990	64,192	64,607	64,946	65,346	65,354	65,853	65,607	65,669	66,045	66,157	66,847	67,220
Private households	1,384	1,391	1,317	1,313	1,320	1,305	1,388	1,445	1,401	1,409	1,352	1,415	1,455
Other industries	62,606	62,801	63,290	63,633	64,026	64,049	64,465	64,162	64,268	64,636	64,805	65,432	65,765
Self-employed workers	5,798	5,853	5,854	5,919	5,954	6,050	5,997	5,896	6,151	6,072	6,039	6,074	6,197
Unpaid family workers	460	419	516	536	499	550	518	523	469	504	448	471	438
PERSONS AT WORK¹													
Nonagricultural industries	80,369	79,832	80,837	81,330	81,005	81,771	81,618	82,572	82,613	82,799	82,626	83,378	83,753
Full-time schedules	65,846	65,700	66,144	66,659	66,436	67,219	67,126	67,867	67,755	67,706	67,646	68,212	68,701
Part-time for economic reasons	3,454	3,320	3,438	3,276	3,174	3,290	3,368	3,371	3,199	3,315	3,298	3,366	3,278
Usually work full time	1,234	1,112	1,335	1,212	1,167	1,314	1,341	1,440	1,196	1,246	1,251	1,266	1,239
Usually work part time	2,220	2,208	2,103	2,064	2,007	1,976	2,027	1,931	2,003	2,069	2,047	2,100	2,039
Part time for noneconomic reasons	11,069	10,812	11,255	11,395	11,395	11,262	11,124	11,334	11,659	11,778	11,682	11,800	11,774

¹ Excludes persons "with a job but not at work" during the survey period for such reasons as vacation, illness, or industrial dispute.

A-43. Employment status of male Vietnam-Era veterans and nonveterans 20 to 39 years of age

[Numbers in thousands]

Employment status	Not seasonally adjusted			Seasonally adjusted					
	Dec. 1976	Nov. 1977	Dec. 1977	Dec. 1976	Aug. 1977	Sept. 1977	Oct. 1977	Nov. 1977	Dec. 1977
VETERANS¹									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	6,828	6,821	6,620	6,828	6,813	6,815	6,819	6,821	6,620
Civilian labor force	6,433	6,467	6,307	6,456	6,543	6,527	6,527	6,480	6,314
Employed	5,930	6,065	5,966	5,918	6,032	6,025	6,036	6,014	5,951
Unemployed	503	402	341	538	511	502	491	466	363
Unemployment rate	7.8	6.2	5.4	8.3	7.8	7.7	7.5	7.2	5.7
20 to 24 years:									
Civilian noninstitutional population ²	1,089	1,028	844	1,089	1,040	1,036	1,033	1,028	844
Civilian labor force	952	916	743	956	947	936	925	926	746
Employed	794	797	656	795	782	748	777	790	657
Unemployed	158	119	87	161	165	188	148	136	89
Unemployment rate	16.6	13.0	11.7	16.8	17.4	20.1	16.0	14.7	11.9
25 to 29 years:									
Civilian noninstitutional population ²	3,165	2,894	2,618	3,165	2,994	2,960	2,927	2,894	2,618
Civilian labor force	2,985	2,720	2,478	3,010	2,872	2,836	2,807	2,724	2,491
Employed	2,756	2,566	2,337	2,749	2,690	2,663	2,613	2,538	2,330
Unemployed	229	154	141	261	182	173	194	186	161
Unemployment rate	7.7	5.7	5.7	8.7	6.3	6.1	6.9	6.8	6.5
30 to 34 years:									
Civilian noninstitutional population ²	2,574	2,899	3,158	2,574	2,779	2,819	2,859	2,899	3,158
Civilian labor force	2,496	2,831	3,086	2,490	2,724	2,755	2,795	2,830	3,077
Employed	2,380	2,702	2,973	2,374	2,560	2,614	2,646	2,686	2,964
Unemployed	116	129	113	116	164	141	149	144	113
Unemployment rate	4.6	4.6	3.7	4.7	6.0	5.1	5.3	5.1	3.7
35 to 39 years:									
Civilian noninstitutional population ²	538	739	914	538	663	688	714	739	914
Civilian labor force	522	719	893	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Employed	496	695	872	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Unemployed	26	24	21	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Unemployment rate	5.0	3.3	2.4	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
NONVETERANS									
Total, 20 to 34 years:									
Civilian noninstitutional population ²	17,036	17,900	18,218	17,036	17,172	17,781	17,844	17,900	18,218
Civilian labor force	15,339	16,061	16,301	15,562	16,004	15,928	16,090	16,157	16,520
Employed	14,019	15,054	15,202	14,141	14,743	14,809	14,877	15,025	15,336
Unemployed	1,320	1,007	1,099	1,421	1,261	1,119	1,213	1,132	1,184
Unemployment rate	8.6	6.3	6.7	9.1	7.9	7.0	7.5	7.0	7.2
20 to 24 years:									
Civilian noninstitutional population ²	7,981	8,237	8,437	7,981	8,183	8,204	8,222	8,237	8,437
Civilian labor force	6,750	6,876	7,041	6,948	6,970	6,918	6,989	6,994	7,232
Employed	5,982	6,281	6,403	6,083	6,241	6,288	6,330	6,325	6,514
Unemployed	768	595	638	865	729	630	659	669	718
Unemployment rate	11.4	8.7	9.1	12.4	10.5	9.1	9.4	9.6	9.9
25 to 29 years:									
Civilian noninstitutional population ²	5,188	5,491	5,781	5,188	5,354	5,404	5,449	5,491	5,781
Civilian labor force	4,878	5,206	5,450	4,882	5,070	5,030	5,111	5,175	5,457
Employed	4,514	4,941	5,161	4,529	4,734	4,734	4,763	4,887	5,177
Unemployed	364	265	289	353	336	296	348	288	280
Unemployment rate	7.5	5.1	5.3	7.2	6.6	5.9	6.8	5.6	5.1
30 to 34 years:									
Civilian noninstitutional population ²	3,867	4,172	4,000	3,867	4,175	4,173	4,173	4,172	4,000
Civilian labor force	3,711	3,979	3,810	3,732	3,964	3,980	3,990	3,988	3,831
Employed	3,523	3,832	3,638	3,529	3,768	3,787	3,784	3,813	3,645
Unemployed	188	147	172	203	196	193	206	175	186
Unemployment rate	5.1	3.7	4.5	5.4	4.9	4.8	5.2	4.4	4.9
35 to 39 years:									
Civilian noninstitutional population ²	3,398	3,554	3,491	3,398	3,500	3,518	3,535	3,554	3,491
Civilian labor force	3,250	3,413	3,360	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Employed	3,096	3,295	3,246	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Unemployed	154	118	114	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Unemployment rate	4.7	3.5	3.4	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

¹ Vietnam-Era veterans are those who served between August 5, 1964, and April 1975.

appear in the unadjusted and seasonally adjusted columns.

² Since seasonal variations are not present in the population figures, identical numbers

N.A. = not available.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-44. Employment status of the noninstitutional population by sex, age, and race, seasonally adjusted

(Numbers in thousands)

Employment status	1974	1975				1976				1977			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
TOTAL													
Total noninstitutional population ¹	151,809	152,440	153,056	153,820	154,477	155,115	155,717	156,368	156,990	157,582	158,223	158,898	159,531
Armed Forces ¹	2,212	2,196	2,185	2,180	2,159	2,144	2,141	2,144	2,147	2,136	2,130	2,134	2,132
Civilian noninstitutional population ¹	149,596	150,244	150,872	151,640	152,319	152,971	153,576	154,224	154,843	155,446	156,094	156,764	157,399
Civilian labor force	91,661	91,865	92,531	93,026	93,103	93,644	94,544	95,261	95,711	96,067	97,186	97,623	98,675
Percent of civilian population	61.3	61.1	61.3	61.3	61.1	61.2	61.6	61.8	61.8	61.8	62.3	62.3	62.7
Employed	85,577	84,392	84,406	85,028	85,247	86,514	87,501	87,804	88,133	88,998	90,370	90,809	92,000
Percent of total population	56.4	55.4	55.1	55.3	55.2	55.8	56.2	56.2	56.1	56.5	57.1	57.1	57.7
Agriculture	3,388	3,308	3,393	3,453	3,320	3,239	3,348	3,328	3,272	3,099	3,328	3,227	3,322
Nonagricultural industries	82,190	81,084	81,013	81,576	81,928	83,275	84,153	84,476	84,861	85,900	87,042	87,582	88,678
Unemployed	6,083	7,473	8,126	7,998	7,855	7,130	7,043	7,457	7,578	7,068	6,816	6,814	6,676
Unemployment rate	6.6	8.1	8.8	8.6	8.4	7.6	7.4	7.8	7.9	7.4	7.0	7.0	6.8
Males, 20 years and over													
Total noninstitutional population ¹	64,372	64,642	64,904	65,238	65,543	65,827	66,090	66,385	66,711	67,023	67,321	67,641	67,951
Civilian noninstitutional population ¹	62,599	62,911	63,181	63,510	63,828	64,139	64,400	64,690	65,014	65,338	65,635	65,949	66,261
Civilian labor force	50,612	50,552	50,826	51,097	51,038	51,012	51,401	51,741	52,019	51,998	52,289	52,513	53,006
Percent of civilian population	80.9	80.4	80.4	80.5	80.0	79.5	79.8	80.0	80.0	79.7	79.7	79.6	80.0
Employed	48,186	47,399	47,253	47,511	47,526	48,074	48,480	48,628	48,772	49,106	49,618	49,844	50,377
Percent of total population	74.9	73.3	72.8	72.8	72.5	73.0	73.4	73.3	73.1	73.3	73.7	73.7	74.1
Agriculture	2,462	2,431	2,425	2,451	2,381	2,331	2,414	2,388	2,297	2,216	2,342	2,334	2,333
Nonagricultural industries	45,724	44,968	44,829	45,061	45,145	45,743	46,066	46,240	46,475	46,891	47,277	47,510	48,043
Unemployed	2,426	3,153	3,573	3,586	3,512	2,938	2,921	3,114	3,247	2,892	2,671	2,669	2,630
Unemployment rate	4.8	6.2	7.0	7.0	6.9	5.8	5.7	6.0	6.2	5.6	5.1	5.1	5.0
Females, 20 years and over													
Total noninstitutional population ¹	70,913	71,226	71,531	71,904	72,214	72,535	72,839	73,169	73,468	73,746	74,079	74,429	74,770
Civilian noninstitutional population ¹	70,856	71,165	71,465	71,831	72,140	72,456	72,754	73,080	73,378	73,653	73,984	74,331	74,671
Civilian labor force	32,159	32,522	32,891	33,105	33,314	33,746	34,097	34,530	34,743	35,006	35,588	35,864	36,290
Percent of civilian population	45.4	45.7	46.0	46.1	46.2	46.6	46.9	47.2	47.3	47.5	48.1	48.2	48.6
Employed	30,074	29,929	30,128	30,477	30,683	31,261	31,673	31,881	32,120	32,519	33,130	33,352	33,802
Percent of total population	42.4	42.0	42.1	42.4	42.5	43.1	43.5	43.6	43.7	44.1	44.7	44.8	45.2
Agriculture	2,085	2,593	2,763	2,628	2,631	2,485	2,424	2,649	2,624	2,486	2,458	2,512	2,488
Unemployed	2,085	2,593	2,763	2,628	2,631	2,485	2,424	2,649	2,624	2,486	2,458	2,512	2,488
Unemployment rate	6.5	8.0	8.4	7.9	7.9	7.4	7.1	7.7	7.6	7.1	6.9	7.0	6.9
Both sexes, 16-19 years													
Total noninstitutional population ¹	16,524	16,572	16,621	16,679	16,720	16,754	16,788	16,815	16,812	16,813	16,823	16,828	16,810
Civilian noninstitutional population ¹	16,141	16,168	16,226	16,298	16,351	16,376	16,422	16,454	16,451	16,454	16,475	16,484	16,468
Civilian labor force	8,890	8,791	8,814	8,824	8,751	8,886	9,046	8,990	8,949	9,063	9,309	9,247	9,379
Percent of civilian population	55.1	54.4	54.3	54.1	53.5	54.3	55.1	54.6	54.4	55.1	56.5	56.1	57.0
Employed	7,318	7,064	7,025	7,040	7,038	7,179	7,348	7,295	7,241	7,373	7,622	7,613	7,821
Percent of total population	44.3	42.6	42.3	42.2	42.1	42.8	43.8	43.4	43.1	43.9	45.3	45.2	46.5
Unemployed	1,572	1,727	1,789	1,784	1,712	1,706	1,698	1,694	1,708	1,690	1,687	1,634	1,558
Unemployment rate	17.7	19.6	20.3	20.2	19.6	19.2	18.8	18.8	19.1	18.6	18.1	17.7	16.6
White													
Total noninstitutional population ¹	134,051	134,556	135,046	135,585	136,104	136,611	137,087	137,602	138,105	138,574	139,084	139,620	140,107
Civilian noninstitutional population ¹	132,187	132,718	133,219	133,764	134,301	134,822	135,303	135,823	136,326	136,812	137,333	137,870	138,364
Civilian labor force	81,318	81,469	82,055	82,418	82,505	82,884	83,644	84,323	84,727	85,061	85,949	86,241	87,172
Percent of civilian population	61.5	61.4	61.6	61.6	61.4	61.5	61.8	62.1	62.2	62.2	62.6	62.6	63.0
Employed	76,439	75,394	75,402	75,925	76,115	77,166	77,993	78,314	78,620	79,373	80,555	80,992	82,036
Percent of total population	57.0	56.0	55.8	56.0	55.9	56.5	56.9	56.9	56.9	57.3	57.9	58.0	58.6
Unemployed	4,879	6,075	6,653	6,493	6,390	5,718	5,651	6,010	6,107	5,688	5,394	5,249	5,136
Unemployment rate	6.0	7.5	8.1	7.9	7.7	6.9	6.8	7.1	7.2	6.7	6.3	6.1	5.9
Black and other													
Total noninstitutional population ¹	17,758	17,884	18,010	18,235	18,374	18,504	18,631	18,766	18,885	19,008	19,139	19,279	19,424
Civilian noninstitutional population ¹	17,410	17,526	17,652	17,876	18,017	18,148	18,273	18,401	18,517	18,634	18,761	18,894	19,035
Civilian labor force	10,390	10,393	10,457	10,617	10,657	10,773	10,855	10,918	11,044	11,099	11,189	11,332	11,564
Percent of civilian population	59.7	59.3	59.2	59.4	59.1	59.4	59.4	59.3	59.6	59.6	59.6	60.0	60.8
Employed	9,179	9,000	8,973	9,121	9,179	9,360	9,454	9,485	9,562	9,678	9,758	9,790	10,015
Percent of total population	51.7	50.3	49.8	50.0	50.0	50.6	50.7	50.5	50.6	50.9	51.0	50.8	51.6
Unemployed	1,212	1,393	1,484	1,496	1,478	1,413	1,401	1,432	1,483	1,421	1,431	1,542	1,549
Unemployment rate	11.7	13.4	14.2	14.1	13.9	13.1	12.9	13.1	13.4	12.8	12.8	13.6	13.4

¹ The population and Armed Forces figures are not adjusted for seasonal variations.

NOTE: Detail for the household data shown in tables A-44 through A-53 and A-60 will not necessarily add to totals, because of the independent seasonal adjustment of the various series.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-45. Full- and part-time status of the civilian labor force by sex and age, seasonally adjusted

[Numbers in thousands]

Full- and part-time employment status, sex, and age	1974	1975				1976				1977			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
FULL TIME													
Total, 16 years and over:													
Civilian labor force	78,438	78,564	79,021	79,289	79,652	80,025	80,657	81,053	81,710	81,917	82,758	83,184	83,919
Employed ¹	73,603	72,485	72,299	72,684	73,175	74,308	74,981	75,033	75,553	76,375	77,380	77,702	78,627
Unemployed	4,835	6,079	6,722	6,605	6,477	5,717	5,676	6,020	6,157	5,542	5,378	5,482	5,293
Unemployment rate	6.2	7.7	8.5	8.3	8.1	7.1	7.0	7.4	7.5	6.8	6.5	6.6	6.3
Males, 20 years and over:													
Civilian labor force	48,091	48,011	48,207	48,492	48,562	48,479	48,792	49,209	49,442	49,325	49,588	49,810	50,264
Employed ¹	45,848	45,064	44,880	45,118	45,262	45,774	46,110	46,291	46,409	46,675	47,147	47,323	47,844
Unemployed	2,243	2,946	3,327	3,374	3,299	2,705	2,682	2,918	3,033	2,650	2,441	2,487	2,419
Unemployment rate	4.7	6.1	6.9	7.0	6.8	5.6	5.5	5.9	6.1	5.4	4.9	5.0	4.8
Females, 20 years and over:													
Civilian labor force	25,315	25,732	25,887	25,961	26,330	26,636	26,901	27,031	27,401	27,616	28,040	28,348	28,525
Employed ¹	23,633	23,619	23,590	23,805	24,158	24,615	24,920	24,902	25,258	25,661	26,053	26,277	26,524
Unemployed	1,682	2,113	2,297	2,157	2,173	2,021	1,982	2,129	2,143	1,955	1,987	2,071	2,001
Unemployment rate	6.6	8.2	8.9	8.3	8.3	7.6	7.4	7.9	7.8	7.1	7.1	7.3	7.0
Both sexes, 16-19 years:													
Civilian labor force	5,031	4,821	4,926	4,836	4,760	4,911	4,964	4,813	4,867	4,975	5,130	5,027	5,131
Employed ¹	4,122	3,801	3,828	3,762	3,755	3,920	3,951	3,841	3,886	4,038	4,180	4,102	4,259
Unemployed	909	1,020	1,098	1,074	1,005	991	1,013	973	981	937	950	924	872
Unemployment rate	18.1	21.2	22.3	22.2	21.1	20.2	20.4	20.2	20.2	18.8	18.5	18.4	17.0
PART TIME													
Total, 16 years and over:													
Civilian labor force	13,250	13,307	13,530	13,849	13,400	13,659	13,903	14,291	14,006	14,224	14,405	14,454	14,752
Employed ¹	12,006	11,924	12,117	12,453	12,062	12,254	12,518	12,855	12,578	12,702	12,940	13,125	13,366
Unemployed	1,245	1,382	1,413	1,396	1,338	1,405	1,386	1,435	1,428	1,522	1,465	1,329	1,386
Unemployment rate	9.4	10.4	10.4	10.1	10.4	10.3	10.0	10.0	10.2	10.7	10.2	9.2	9.4
Males, 20 years and over:													
Civilian labor force	2,524	2,535	2,602	2,641	2,495	2,543	2,597	2,547	2,585	2,696	2,683	2,709	2,743
Employed ¹	2,343	2,332	2,365	2,415	2,271	2,309	2,357	2,337	2,371	2,452	2,450	2,517	2,537
Unemployed	181	202	237	227	224	233	240	210	214	243	233	192	206
Unemployment rate	7.2	8.0	9.1	8.6	9.0	9.2	9.3	8.2	8.3	9.0	8.7	7.1	7.5
Females, 20 years and over:													
Civilian labor force	6,837	6,827	7,001	7,147	6,989	7,151	7,186	7,485	7,392	7,434	7,559	7,485	7,751
Employed ¹	6,438	6,357	6,516	6,682	6,523	6,699	6,725	6,974	6,857	6,913	7,064	7,050	7,260
Unemployed	399	471	485	465	465	452	461	511	485	521	495	435	491
Unemployment rate	5.8	6.9	6.9	6.5	6.7	6.3	6.4	6.8	6.6	7.0	6.5	5.8	6.3
Both sexes, 16-19 years:													
Civilian labor force	3,889	3,945	3,927	4,061	3,976	3,965	4,120	4,259	4,079	4,094	4,162	4,260	4,257
Employed ¹	3,225	3,235	3,236	3,356	3,267	3,246	3,436	3,544	3,350	3,336	3,425	3,558	3,569
Unemployed	664	709	691	704	708	720	684	715	729	758	737	702	689
Unemployment rate	17.1	18.0	17.6	17.3	17.8	18.1	16.6	16.8	17.9	18.5	17.7	16.5	16.2

¹ Persons on part-time schedules for economic reasons are included in the full-time employed category; unemployed persons are allocated by whether seeking full- or part-time work.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-46. Employment status by race, sex, and age, seasonally adjusted

[Numbers in thousands]

Characteristics	1974	1975				1976				1977			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
WHITE													
Total, 16 years and over:													
Civilian labor force	81,318	81,469	82,055	82,418	82,505	82,884	83,644	84,323	84,727	85,061	85,949	86,241	87,172
Employed	76,439	75,394	75,402	75,925	76,115	77,166	77,993	78,314	78,620	79,373	80,555	80,992	82,036
Unemployed	4,879	6,075	6,653	6,493	6,390	5,718	5,651	6,010	6,107	5,688	5,394	5,249	5,136
Unemployment rate	6.0	7.5	8.1	7.9	7.7	6.9	6.8	7.1	7.2	6.7	6.3	6.1	5.9
Males, 20 years and over:													
Civilian labor force	45,465	45,340	45,646	45,797	45,777	45,738	46,058	46,377	46,617	46,512	46,779	47,030	47,471
Employed	43,483	42,752	42,690	42,839	42,912	43,368	43,675	43,800	43,989	44,164	44,618	44,947	45,423
Unemployed	1,982	2,589	2,956	2,958	2,864	2,369	2,384	2,577	2,629	2,348	2,161	2,084	2,048
Unemployment rate	4.4	5.7	6.5	6.5	6.3	5.2	5.2	5.6	5.6	5.0	4.6	4.4	4.3
Females, 20 years and over:													
Civilian labor force	27,917	28,263	28,552	28,717	28,917	29,202	29,485	29,877	30,088	30,307	30,793	30,976	31,340
Employed	26,244	26,144	26,296	26,624	26,765	27,228	27,555	27,877	27,978	28,367	28,899	29,044	29,421
Unemployed	1,673	2,119	2,256	2,093	2,151	1,973	1,930	2,090	2,109	1,939	1,894	1,932	1,919
Unemployment rate	6.0	7.5	7.9	7.3	7.4	6.8	6.5	7.0	7.0	6.4	6.2	6.2	6.1
Both sexes, 16 to 19 years:													
Civilian labor force	7,936	7,866	7,857	7,905	7,812	7,944	8,101	8,069	8,022	8,243	8,377	8,235	8,361
Employed	6,712	6,499	6,416	6,462	6,437	6,569	6,763	6,726	6,653	6,842	7,038	7,001	7,192
Unemployed	1,224	1,368	1,441	1,442	1,375	1,375	1,338	1,343	1,369	1,401	1,339	1,233	1,169
Unemployment rate	15.4	17.4	18.3	18.2	17.6	17.3	16.5	16.6	17.1	17.0	16.0	15.0	14.0
BLACK AND OTHER													
Total, 16 years and over:													
Civilian labor force	10,390	10,393	10,457	10,617	10,657	10,773	10,855	10,918	11,044	11,099	11,189	11,332	11,564
Employed	9,179	9,000	8,973	9,121	9,179	9,360	9,454	9,485	9,562	9,678	9,758	9,790	10,015
Unemployed	1,212	1,393	1,484	1,496	1,478	1,413	1,401	1,432	1,483	1,421	1,431	1,542	1,549
Unemployment rate	11.7	13.4	14.2	14.1	13.9	13.1	12.9	13.1	13.4	12.8	12.8	13.6	13.4
Males, 20 years and over:													
Civilian labor force	5,168	5,183	5,186	5,309	5,285	5,254	5,346	5,367	5,427	5,498	5,495	5,474	5,563
Employed	4,728	4,624	4,565	4,668	4,642	4,689	4,804	4,819	4,815	4,958	4,983	4,886	4,986
Unemployed	439	559	621	641	642	565	542	548	612	540	512	588	576
Unemployment rate	8.5	10.8	12.0	12.1	12.2	10.7	10.1	10.2	11.3	9.8	9.3	10.7	10.4
Females, 20 years and over:													
Civilian labor force	4,267	4,276	4,327	4,369	4,430	4,571	4,591	4,624	4,681	4,719	4,790	4,853	4,971
Employed	3,842	3,805	3,811	3,853	3,932	4,059	4,087	4,087	4,151	4,171	4,216	4,297	4,391
Unemployed	425	471	516	515	498	512	503	537	530	548	574	557	581
Unemployment rate	10.0	11.0	11.9	11.8	11.2	11.2	11.0	11.6	11.3	11.6	12.0	11.5	11.7
Both sexes, 16 to 19 years:													
Civilian labor force	956	934	944	939	943	948	919	927	936	882	904	1,005	1,030
Employed	608	572	597	600	605	612	563	579	595	549	559	608	638
Unemployed	348	362	347	340	338	336	356	348	341	333	345	397	392
Unemployment rate	36.4	38.8	36.7	36.2	35.9	35.4	38.8	37.5	36.4	37.8	38.2	39.5	38.1

HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES

A-47. Major unemployment indicators, seasonally adjusted

[Unemployment rates]

Selected categories	1974	1975				1976				1977			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
CHARACTERISTICS													
Total (all civilian workers)	6.6	8.1	8.8	8.6	8.4	7.6	7.4	7.8	7.9	7.4	7.0	7.0	6.8
Males, 20 years and over	4.8	6.2	7.0	7.0	6.9	5.8	5.7	6.0	6.2	5.6	5.1	5.1	5.0
Females, 20 years and over	6.5	8.0	8.4	7.9	7.9	7.4	7.1	7.7	7.6	7.1	6.9	7.0	6.9
Both sexes, 16-19 years	17.7	19.6	20.3	20.2	19.6	19.2	18.8	18.8	19.1	18.6	18.1	17.7	16.6
White	6.0	7.5	8.1	7.9	7.7	6.9	6.8	7.1	7.2	6.7	6.3	6.1	5.9
Black and other	11.7	13.4	14.2	14.1	13.9	13.1	12.9	13.1	13.4	12.8	12.8	13.6	13.4
Married men, spouse present	3.5	4.7	5.5	5.4	5.1	4.1	4.1	4.4	4.4	3.9	3.5	3.4	3.5
Married women, spouse present	6.3	8.1	8.5	7.7	7.4	7.0	6.9	7.4	7.2	6.6	6.6	6.5	6.4
Women who head families	8.1	9.4	9.9	10.2	10.4	9.9	9.2	10.6	10.3	9.3	9.0	10.0	9.0
Full-time workers	6.2	7.7	8.5	8.3	8.1	7.1	7.0	7.4	7.5	6.8	6.5	6.6	6.3
Part-time workers	9.4	10.4	10.4	10.1	10.4	10.3	10.0	10.0	10.2	10.7	10.2	9.2	9.4
Unemployed 15 weeks and over ¹	1.3	2.0	2.8	3.1	3.1	2.7	2.2	2.4	2.6	2.2	1.8	1.9	1.9
Labor force time lost ²	7.2	8.9	9.4	9.1	9.0	8.2	8.0	8.3	8.5	7.9	7.5	7.5	7.4
OCCUPATION													
White-collar workers	3.7	4.5	5.0	4.7	4.8	4.6	4.6	4.7	4.6	4.6	4.3	4.2	4.1
Professional and technical	2.5	3.0	3.4	3.3	3.3	3.3	3.1	3.1	3.3	3.2	3.1	2.9	2.9
Managers and administrators, except farm	2.3	2.9	3.1	3.1	3.0	2.9	3.0	3.4	3.1	3.0	2.8	2.5	2.7
Sales workers	5.0	5.6	6.0	5.6	6.0	5.5	5.1	5.6	6.0	5.6	5.3	5.3	4.9
Clerical workers	5.0	6.2	6.9	6.6	6.6	6.3	6.5	6.6	6.2	6.3	5.8	5.8	5.6
Blue-collar workers	8.6	11.1	12.6	12.1	11.2	9.3	9.0	9.8	9.7	8.5	7.8	8.2	7.8
Craft and kindred workers	5.6	7.4	8.9	8.8	8.0	6.8	6.7	7.0	6.2	5.4	5.4	5.4	5.4
Operatives, except transport	10.9	14.4	16.0	14.9	13.3	10.4	10.4	11.3	11.3	9.3	9.2	10.1	9.5
Transport equipment operatives	6.2	7.5	8.4	9.2	9.2	7.9	6.7	8.1	8.2	7.2	6.1	7.0	5.9
Nonfarm laborers	12.0	14.8	16.4	15.9	15.7	13.8	13.2	14.2	13.8	13.0	12.0	11.5	11.7
Service workers	6.9	7.9	8.5	8.9	9.0	8.8	8.4	8.6	9.2	8.3	8.5	8.0	8.0
Farm workers	2.6	3.5	3.3	3.5	3.9	4.2	4.4	4.0	5.1	5.6	4.7	4.0	4.2
INDUSTRY													
Nonagricultural private wage and salary workers ³	7.0	8.8	9.7	9.3	9.0	7.9	7.6	8.1	8.1	7.4	7.0	6.9	6.3
Construction	13.6	16.8	20.1	19.1	17.5	15.8	15.3	16.4	14.9	14.8	12.5	11.3	11.3
Manufacturing	7.7	10.6	11.9	11.2	10.1	7.8	7.5	8.0	8.2	6.9	6.4	7.0	6.5
Durable goods	7.5	10.6	12.3	12.0	10.5	7.9	7.4	7.6	7.9	6.5	5.7	6.4	6.1
Nondurable goods	8.1	10.6	11.3	10.0	9.6	7.7	7.7	8.7	8.7	7.4	7.3	7.8	7.2
Transportation and public utilities	3.8	5.5	6.1	5.7	5.2	4.7	4.7	5.1	5.5	4.8	4.3	4.9	4.9
Wholesale and retail trade	7.3	8.3	8.8	8.8	9.1	8.6	8.3	8.8	8.7	8.5	8.0	7.9	7.6
Finance and service industries	5.2	6.3	6.7	6.5	6.9	6.5	6.3	6.5	6.8	6.3	6.2	5.7	5.8
Government workers	3.3	3.6	4.1	4.1	4.2	4.4	4.5	4.3	4.4	4.3	4.1	4.1	4.3
Agricultural wage and salary workers	7.8	10.1	10.1	10.2	11.0	11.0	11.6	11.1	12.9	13.1	11.6	9.8	9.9

¹ Unemployment as a percent of civilian labor force.

² Aggregate hours lost by the unemployed and persons on part-time for economic reasons

as percent of potentially available labor force hours.

³ Includes mining, not shown separately.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-48. Unemployed persons by duration of unemployment, seasonally adjusted

(Numbers in thousands)

Weeks of unemployment	1974	1975				1976				1977			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Duration													
Less than 5 weeks	2,921	3,071	2,934	2,824	2,758	2,634	2,838	2,883	2,825	2,857	2,980	2,830	2,760
5 to 14 weeks	1,956	2,557	2,569	2,355	2,340	1,957	2,032	2,317	2,393	2,096	1,991	2,181	2,093
15 weeks and over	1,190	1,803	2,553	2,875	2,888	2,546	2,106	2,300	2,464	2,129	1,796	1,836	1,878
15 to 26 weeks	733	1,098	1,462	1,427	1,288	1,001	822	1,101	1,137	921	771	941	956
27 weeks and over	456	705	1,091	1,448	1,600	1,545	1,284	1,199	1,326	1,209	1,025	895	921
Average (mean) duration in weeks	9.9	11.3	13.9	15.5	16.4	16.4	15.9	15.5	15.5	14.7	14.5	13.9	13.9
Percent distribution													
Total unemployed	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Less than 5 weeks	48.1	41.3	36.4	35.1	34.5	36.9	40.7	38.4	36.8	40.3	44.0	41.3	41.0
5 to 14 weeks	32.2	34.4	31.9	29.2	29.3	27.4	29.1	30.9	31.2	29.6	29.4	31.9	31.1
15 weeks and over	19.6	24.3	31.7	35.7	36.2	35.7	30.2	30.7	32.1	30.1	26.5	26.8	27.9
15 to 26 weeks	12.1	14.8	18.1	17.7	16.1	14.0	11.8	14.7	14.8	13.0	11.4	13.7	14.2
27 weeks and over	7.5	9.5	13.5	18.0	20.0	21.6	18.4	16.0	17.3	17.1	15.1	13.1	13.7

A-49. Rates of unemployment by sex and age, seasonally adjusted

Sex and age	1974	1975				1976				1977			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Total, 16 years and over	6.6	8.1	8.8	8.6	8.4	7.6	7.4	7.8	7.9	7.4	7.0	7.0	6.8
16 to 19 years	17.7	19.6	20.3	20.2	19.6	19.2	18.8	18.8	19.1	18.6	18.1	17.7	16.6
16 to 17 years	19.9	21.2	21.2	22.0	21.0	20.9	21.3	21.2	21.2	21.0	20.3	20.1	18.4
18 to 19 years	16.0	18.5	19.5	18.9	18.5	18.1	17.0	17.1	17.6	17.0	16.5	15.9	15.3
20 to 24 years	10.6	13.1	14.0	13.8	13.7	12.2	11.6	11.7	12.6	11.6	10.7	10.8	10.7
25 years and over	4.5	5.7	6.4	6.2	6.1	5.3	5.2	5.8	5.6	5.1	4.9	4.9	4.8
25 to 54 years	4.7	6.0	6.8	6.5	6.3	5.4	5.4	6.0	5.9	5.3	5.2	5.1	4.9
55 years and over	3.4	4.4	4.9	4.8	5.0	4.6	4.5	4.8	4.5	4.4	3.9	4.0	4.2
Males, 16 years and over	5.9	7.4	8.2	8.2	7.9	6.9	6.9	7.1	7.4	6.6	6.2	6.1	5.9
16 to 19 years	17.4	19.7	20.8	20.4	19.4	19.4	19.3	18.7	19.5	18.2	17.5	17.3	16.1
16 to 17 years	20.0	21.3	21.9	22.4	20.6	21.1	21.7	21.2	21.8	20.3	19.8	20.4	17.7
18 to 19 years	15.3	18.5	19.9	19.0	18.6	18.3	17.5	16.9	17.7	16.7	15.8	15.2	14.8
20 to 24 years	10.5	13.5	14.8	15.0	14.3	12.3	11.4	11.8	12.8	11.5	10.4	10.8	10.1
25 years and over	3.8	5.0	5.7	5.7	5.6	4.6	4.7	5.1	5.1	4.5	4.2	4.1	4.0
25 to 54 years	4.0	5.2	6.0	6.0	5.8	4.7	4.7	5.2	5.3	4.5	4.3	4.2	4.1
55 years and over	3.1	4.2	4.6	4.6	4.8	4.5	4.5	4.5	4.2	4.4	3.6	3.7	3.9
Females, 16 years and over	7.8	9.2	9.6	9.2	9.2	8.6	8.3	8.9	8.7	8.4	8.2	8.2	8.0
16 to 19 years	18.0	19.5	19.6	20.0	19.7	19.0	18.2	19.0	18.6	19.1	18.8	18.0	17.2
16 to 17 years	19.8	21.2	20.4	21.5	21.5	20.5	20.8	21.2	20.4	21.9	21.0	19.8	19.1
18 to 19 years	16.7	18.4	19.1	18.8	18.4	18.0	16.4	17.4	17.4	17.3	17.3	16.8	16.0
20 to 24 years	10.6	12.6	13.0	12.3	12.9	12.1	11.7	11.4	12.4	11.7	11.0	10.7	11.3
25 years and over	5.6	6.9	7.4	7.0	6.8	6.3	6.1	6.8	6.5	6.0	6.0	6.2	5.9
25 to 54 years	5.9	7.4	8.0	7.4	7.2	6.6	6.5	7.1	6.9	6.4	6.4	6.5	6.2
55 years and over	4.1	4.8	5.3	5.0	5.4	4.8	4.6	5.4	4.9	4.4	4.5	4.5	4.6

HOUSEHOLD DATA
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A-50. Unemployed persons by reason for unemployment, seasonally adjusted

[Numbers in thousands]

Reason for unemployment	1974	1975				1976				1977			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
NUMBER OF UNEMPLOYED													
Job losers	2,866	4,003	4,637	4,645	4,257	3,524	3,516	3,758	3,765	3,249	2,973 ^c	3,169	2,994
On layoff	1,065	1,586	1,894	1,789	1,500	979	995	1,185	1,077	886	777	955	819
Other job losers	1,801	2,418	2,743	2,856	2,757	2,546	2,521	2,573	2,688	2,363	2,196	2,214	2,175
Job leavers	788	770	828	805	848	822	876	962	875	901	915	875	870
Reentrants	1,626	1,809	1,925	1,842	1,895	1,885	1,809	1,911	1,982	1,989	1,961	1,845	1,917
New entrants	756	777	773	851	847	858	860	892	919	948	981	970	852
PERCENT DISTRIBUTION													
Job losers	47.5	54.4	56.8	57.0	54.3	49.7	49.8	50.0	49.9	45.8	43.5	46.2	45.1
On layoff	17.6	21.5	23.2	22.0	19.1	13.8	14.1	15.8	14.3	12.5	11.4	13.9	12.3
Other job losers	29.8	32.9	33.6	35.1	35.1	35.9	35.7	34.2	35.6	33.3	32.2	32.3	32.8
Job leavers	13.1	10.5	10.1	9.9	10.8	11.6	12.4	12.8	11.6	12.7	13.4	12.8	13.1
Reentrants	26.9	24.6	23.6	22.6	24.1	26.6	25.6	25.4	26.3	28.1	28.7	26.9	28.9
New entrants	12.5	10.6	9.5	10.5	10.8	12.1	12.2	11.9	12.2	13.4	14.4	14.1	12.8
UNEMPLOYED AS A PERCENT OF THE CIVILIAN LABOR FORCE													
Job losers	3.1	4.4	5.0	5.0	4.6	3.8	3.7	3.9	3.9	3.4	3.1	3.2	3.0
On layoff .....	.9	.8	.9	.9	.9	.9	.9	1.0	.9	.9	.9	.9	.9
Other job losers	1.8	2.0	2.1	2.0	2.0	2.0	1.9	2.0	2.1	2.1	2.0	1.9	1.9
Job leavers .....	.8	.8	.8	.9	.9	.9	.9	.9	1.0	1.0	1.0	1.0	.9

^cCorrected.

A-51. Employed persons by sex and age, seasonally adjusted

[In thousands]

Sex and age	1974	1975				1976				1977			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
Total, 16 years and over	85,577	84,392	84,406	85,028	85,247	86,514	87,501	87,804	88,133	88,998	90,370	90,809	92,000
16 to 19 years	7,318	7,064	7,025	7,040	7,038	7,179	7,348	7,295	7,241	7,373	7,622	7,613	7,821
16 to 17 years	3,043	2,959	2,891	2,878	2,891	2,916	2,935	2,960	2,886	2,965	3,064	3,091	3,218
18 to 19 years	4,273	4,117	4,128	4,186	4,147	4,261	4,398	4,350	4,356	4,420	4,544	4,525	4,606
20 to 24 years	11,903	11,617	11,573	11,696	11,665	12,033	12,328	12,360	12,372	12,646	12,818	12,932	13,013
25 years and over	66,359	65,725	65,811	66,281	66,540	67,321	67,826	68,123	68,517	69,025	69,947	70,216	71,145
25 to 54 years	52,813	52,203	52,267	52,817	53,111	53,873	54,389	54,645	54,873	55,512	56,200	56,593	57,135
55 years and over	13,557	13,535	13,516	13,484	13,443	13,468	13,404	13,494	13,648	13,544	13,716	13,648	14,019
Males, 16 years and over	52,188	51,219	51,041	51,309	51,323	51,936	52,406	52,550	52,673	53,078	53,761	53,941	54,659
16 to 19 years	4,002	3,820	3,787	3,798	3,797	3,863	3,926	3,922	3,901	3,972	4,143	4,097	4,282
16 to 17 years	1,698	1,633	1,601	1,587	1,585	1,581	1,592	1,627	1,596	1,606	1,696	1,702	1,820
18 to 19 years	2,302	2,198	2,182	2,229	2,206	2,277	2,323	2,307	2,302	2,374	2,434	2,401	2,467
20 to 24 years	6,586	6,364	6,286	6,341	6,366	6,612	6,761	6,757	6,833	6,971	6,985	7,037	7,125
25 years and over	41,617	41,032	40,974	41,156	41,175	41,464	41,725	41,842	41,956	42,150	42,649	42,759	43,267
25 to 54 years	32,956	32,471	32,462	32,661	32,803	33,137	33,355	33,399	33,504	33,767	34,096	34,219	34,584
55 years and over	8,674	8,561	8,502	8,489	8,390	8,329	8,360	8,436	8,474	8,409	8,532	8,528	8,706
Females, 16 years and over	33,389	33,172	33,365	33,719	33,924	34,578	35,094	35,254	35,460	35,920	36,609	36,868	37,341
16 to 19 years	3,316	3,244	3,237	3,242	3,241	3,317	3,422	3,373	3,341	3,401	3,479	3,516	3,539
16 to 17 years	1,345	1,326	1,291	1,291	1,306	1,335	1,343	1,333	1,290	1,359	1,368	1,390	1,398
18 to 19 years	1,971	1,919	1,946	1,957	1,941	1,984	2,075	2,043	2,054	2,045	2,110	2,124	2,140
20 to 24 years	5,317	5,252	5,287	5,354	5,299	5,422	5,568	5,603	5,539	5,675	5,833	5,895	5,888
25 years and over	24,742	24,693	24,837	25,125	25,366	25,857	26,100	26,281	26,561	26,875	27,297	27,457	27,878
25 to 54 years	19,857	19,732	19,806	20,156	20,307	10,736	21,034	21,246	21,369	21,745	22,103	22,375	22,551
55 years and over	4,883	4,974	5,014	4,995	5,053	5,139	5,044	5,058	5,175	5,135	5,184	5,120	5,313

**HOUSEHOLD DATA
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A-52. Employed persons by selected social and economic categories, seasonally adjusted

[In thousands]

Selected categories	1974	1975				1976				1977			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
CHARACTERISTICS													
Total, 16 years and over	85,577	84,392	84,406	85,028	85,247	86,514	87,501	87,804	88,133	88,998	90,370	90,809	92,000
Married men, spouse present	38,584	37,892	37,860	37,933	37,832	38,032	38,181	38,155	37,961	38,216	38,542	38,369	38,496
Married women, spouse present	19,593	19,367	19,434	19,608	19,816	20,058	20,249	20,408	20,455	20,743	20,956	20,964	21,247
OCCUPATION													
White-collar workers	41,873	41,884	42,181	42,435	42,412	43,096	43,590	43,752	44,384	44,489	44,805	45,219	46,255
Professional and technical	12,335	12,511	12,713	12,870	12,909	13,138	13,222	13,448	13,523	13,430	13,571	13,787	13,994
Managers and administrators, except farm	8,830	8,777	8,849	8,948	8,989	9,169	9,274	9,327	9,497	9,553	9,468	9,683	9,943
Sales workers	5,433	5,447	5,508	5,500	5,387	5,344	5,488	5,500	5,654	5,668	5,711	5,729	5,788
Clerical workers	15,276	15,149	15,112	15,117	15,128	15,446	15,606	15,477	15,710	15,818	16,055	16,021	16,530
Blue-collar workers	29,261	28,021	27,776	27,869	28,167	28,789	29,105	28,919	29,024	29,859	30,349	30,192	30,432
Craft and kindred workers	11,351	10,905	10,902	10,974	11,098	11,218	11,239	11,318	11,336	11,668	11,894	11,931	12,029
Operatives, except transport	10,270	9,699	9,530	9,544	9,770	10,119	10,213	9,989	10,029	10,422	10,434	10,241	10,329
Transport equipment operatives	3,246	3,248	3,209	3,221	3,199	3,213	3,320	3,272	3,279	3,431	3,528	3,467	3,478
Nonfarm laborers	4,394	4,169	4,135	4,130	4,100	4,239	4,334	4,340	4,380	4,338	4,493	4,554	4,596
Service workers	11,500	11,616	11,545	11,658	11,807	11,853	12,007	12,203	11,959	12,054	12,441	12,552	12,523
Farm workers	2,941	2,880	2,955	3,001	2,874	2,790	2,861	2,849	2,788	2,646	2,840	2,732	2,792
MAJOR INDUSTRY AND CLASS OF WORKER													
Agriculture:													
Wage and salary workers	1,348	1,230	1,252	1,340	1,275	1,310	1,323	1,318	1,325	1,269	1,339	1,317	1,393
Self-employed workers	1,675	1,720	1,737	1,719	1,685	1,611	1,659	1,665	1,609	1,505	1,599	1,577	1,594
Unpaid family workers	363	374	395	398	356	319	354	344	342	337	379	318	337
Nonagricultural industries:													
Wage and salary workers	76,060	74,996	74,929	75,488	75,763	77,073	78,003	78,371	78,740	79,531	80,516	81,010	82,187
Government	14,156	14,341	14,475	14,651	14,645	14,857	14,854	15,116	15,003	14,950	14,999	15,236	15,446
Private industries	61,904	60,654	60,454	60,837	61,118	62,216	63,149	63,255	63,737	64,582	65,518	65,774	66,741
Private households	1,305	1,340	1,386	1,338	1,327	1,277	1,343	1,406	1,403	1,340	1,338	1,418	1,407
Other industries	60,599	59,314	59,068	59,499	59,791	60,940	61,806	61,850	62,334	63,241	64,180	64,355	65,334
Self-employed workers	5,676	5,546	5,609	5,624	5,722	5,683	5,673	5,667	5,734	5,875	6,000	6,040	6,103
Unpaid family workers	485	494	460	458	502	480	460	441	452	490	522	499	452
PERSONS AT WORK¹													
Nonagricultural industries	77,083	76,177	76,229	76,098	77,059	78,335	78,641	79,348	79,926	80,666	81,465	82,661	83,252
Full-time schedules	63,421	62,093	61,968	62,009	63,164	64,367	64,529	64,971	65,395	66,168	66,927	67,776	68,186
Part time for economic reasons	3,162	3,639	3,635	3,348	3,321	3,237	3,210	3,230	3,482	3,345	3,277	3,295	3,314
Usually work full time	1,605	1,874	1,704	1,499	1,403	1,283	1,357	1,346	1,287	1,220	1,274	1,294	1,252
Usually work part time	1,557	1,766	1,931	1,849	1,918	1,954	1,853	1,884	2,195	2,125	2,003	2,001	2,062
Part time for noneconomic reasons	10,500	10,445	10,626	10,740	10,574	10,731	10,901	11,147	11,048	11,154	11,260	11,590	11,752

¹ Excludes persons "with a job but not at work" during the survey period for such reasons as vacation, illness, or industrial dispute.

**HOUSEHOLD DATA
SEASONALLY ADJUSTED
QUARTERLY AVERAGES**

A-53. Job desire of persons not in labor force by current activity, reasons for not seeking work, sex, and race, seasonally adjusted

[In thousands]

Characteristic	1974	1975				1976				1977			
	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
TOTAL													
Total not in labor force	57,935	58,378	58,341	58,614	59,215	59,327	59,032	58,963	59,132	59,379	58,908	59,141	58,724
Do not want job now	53,333	52,885	53,414	53,575	54,050	53,831	53,938	54,715	53,991	53,792	53,190	53,429	53,374
Current activity:													
Going to school	6,139	6,146	6,344	6,404	6,387	6,360	6,249	6,879	6,338	6,101	6,137	6,367	6,200
Ill, disabled	4,875	4,944	4,816	4,671	4,739	4,710	4,675	4,875	4,603	4,739	4,482	4,582	4,401
Keeping house	31,594	31,171	31,494	31,272	31,387	30,970	31,055	30,688	30,338	30,555	30,237	30,070	30,082
Retired	7,528	7,660	7,657	7,822	8,277	8,304	8,470	8,785	8,828	8,717	9,012	9,044	9,096
Other	3,197	2,964	3,104	3,407	3,260	3,487	3,488	3,491	3,884	3,686	3,323	3,367	3,594
Want a job now	4,671	5,211	5,084	5,354	5,256	5,388	5,426	4,339	5,436	5,663	5,762	5,909	5,365
Reason not looking:													
School attendance	1,221	1,446	1,397	1,508	1,535	1,422	1,529	1,151	1,559	1,546	1,445	1,656	1,587
Ill health, disability	652	651	626	675	725	718	763	491	627	692	830	791	709
Home responsibilities	1,029	1,182	1,070	1,073	1,115	1,222	1,227	1,024	1,273	1,266	1,304	1,264	1,211
Think cannot get job	825	1,064	1,123	1,171	977	940	903	827	992	929	1,061	1,104	968
Job-market factors	570	868	809	957	803	649	617	568	762	644	726	746	665
Personal factors	255	196	314	214	174	291	286	259	230	285	335	358	303
Other reasons ¹	943	868	869	927	903	1,086	1,004	847	985	1,229	1,122	1,093	1,059
Males													
Total not in labor force	15,128	15,590	15,594	15,707	16,177	16,443	16,274	16,280	16,304	16,637	16,492	16,655	16,320
Do not want job now	13,712	13,766	14,031	14,280	14,563	14,626	14,680	15,244	14,777	14,849	14,647	14,837	14,703
Want a job now	1,453	1,610	1,576	1,739	1,707	1,702	1,658	1,297	1,671	1,715	1,770	1,820	1,714
Reason not looking:													
School attendance	649	774	699	783	751	716	767	574	746	786	745	773	783
Ill health, disability	276	275	277	308	338	325	333	199	269	307	357	314	322
Think cannot get job	277	336	373	392	340	366	308	281	341	283	316	381	307
Other reasons ¹	250	226	227	257	277	294	249	243	315	339	352	351	302
Females													
Total not in labor force	42,808	42,789	42,747	42,907	43,039	42,884	42,758	42,683	42,828	42,742	42,416	42,485	42,403
Do not want job now	39,621	39,119	39,383	39,295	39,487	39,205	39,257	39,471	39,215	38,943	38,543	38,592	38,671
Want a job now	3,217	3,601	3,508	3,615	3,549	3,686	3,768	3,042	3,765	3,948	3,992	4,089	3,851
Reason not looking:													
School attendance	572	673	698	726	784	706	762	577	813	760	699	883	804
Ill health, disability	376	376	348	366	387	393	430	292	358	385	473	477	418
Home responsibilities	1,029	1,182	1,070	1,073	1,115	1,222	1,227	1,024	1,273	1,266	1,304	1,264	1,211
Think cannot get job	548	728	749	780	637	574	595	546	651	647	745	723	661
Other reasons	692	642	642	670	626	792	755	604	670	890	770	742	757
White													
Total not in labor force	50,869	51,249	51,165	51,346	51,797	51,939	51,659	51,500	51,599	51,751	51,384	51,629	51,192
Do not want job now	47,180	46,963	47,389	47,447	47,885	47,680	47,701	48,170	47,499	47,364	47,125	47,364	46,913
Want a job now	3,644	4,012	3,906	4,203	3,976	4,092	4,098	3,403	4,175	4,313	4,360	4,292	4,315
Reason not looking:													
School attendance	911	1,110	1,090	1,120	1,151	1,087	1,119	934	1,109	1,206	1,045	1,130	1,138
Ill health, disability	498	484	457	483	520	500	529	354	445	508	675	556	554
Home responsibilities	831	930	856	886	839	920	943	809	1,034	986	1,007	939	986
Think cannot get job	630	785	782	845	697	700	694	601	755	665	741	746	733
Other reasons	774	703	721	768	769	886	813	705	831	948	892	922	904
Black and other													
Total not in labor force	7,020	7,133	7,195	7,259	7,360	7,375	7,418	7,483	7,473	7,535	7,572	7,562	7,471
Do not want job now	6,014	5,909	5,998	6,078	6,128	6,085	6,072	6,552	6,227	6,202	6,082	6,097	6,265
Want a job now	1,015	1,182	1,144	1,268	1,261	1,271	1,311	966	1,241	1,343	1,395	1,638	1,236
Reason not looking:													
School attendance	291	336	305	373	355	341	410	232	408	342	413	504	407
Ill health, disability	145	171	168	197	195	227	237	137	180	192	163	230	182
Home responsibilities	219	276	234	234	304	306	289	249	270	279	285	344	231
Think cannot get job	201	281	308	336	292	233	204	226	250	280	287	356	250
Other reasons	159	118	130	129	115	163	171	122	132	249	246	204	167

¹ Includes small number of men not looking for work because of home responsibilities.

HOUSEHOLD DATA QUARTERLY AVERAGES

A-54. Job desire of persons not in labor force and reasons for not seeking work by age and sex

[In thousands]

Reasons for not seeking work	Total		Age in years								
			16-19		20-24		25-59		60 and over		
	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	
TOTAL											
Total not in labor force	59,264	58,808	7,891	7,502	4,773	4,739	22,683	22,237	23,917	24,331	
Do not want a job now	54,058	53,493	6,560	6,204	4,082	3,946	20,048	19,643	23,372	23,705	
Current activity:											
Going to school	8,107	7,929	5,628	5,435	1,874	1,812	594	660	11	24	
Ill, disabled	4,505	4,309	44	28	135	112	2,122	1,994	2,206	2,177	
Keeping house	30,070	29,817	589	498	1,785	1,758	15,573	15,267	12,125	12,295	
Retired	8,658	8,923	--	--	--	--	192	234	8,464	8,689	
Other	2,718	2,515	298	243	288	264	1,568	1,488	566	520	
Want a job now	5,206	5,314	1,331	1,297	691	793	2,635	2,594	545	626	
Reason not looking:											
School attendance	1,404	1,432	1,033	988	193	249	176	192	2	2	
Ill health, disability	651	750	9	11	52	37	460	497	129	204	
Home responsibilities	1,219	1,155	81	91	170	227	935	805	34	31	
Think cannot get job	962	934	89	97	130	107	511	519	231	211	
Job-market factors	700	605	62	59	125	76	415	383	134	86	
Personal factors	263	329	26	38	6	31	96	125	97	124	
Other reasons ¹	971	1,043	119	110	147	173	553	581	149	178	
Males											
Total not in labor force	16,767	16,738	3,608	3,384	1,393	1,475	2,976	2,952	8,791	8,926	
Do not want a job now	15,223	15,170	2,965	2,798	1,225	1,235	2,527	2,505	8,511	8,635	
Current activity:											
Going to school	4,041	4,021	2,778	2,630	978	1,062	284	324	2	6	
Ill, disabled	2,539	2,341	26	22	83	50	1,212	1,128	1,219	1,140	
Keeping house	244	218	14	11	3	5	51	40	179	164	
Retired	6,844	7,127	--	--	2	--	170	217	6,671	6,910	
Other	1,566	1,463	147	135	158	118	811	796	439	415	
Want a job now	1,544	1,567	644	586	168	240	449	449	280	291	
Reason not looking:											
School attendance	672	707	541	504	75	136	56	66	--	--	
Ill health, disability	207	304	2	--	18	12	169	203	78	90	
Think cannot get job	314	279	37	37	35	41	117	99	124	102	
Other reasons ¹	291	277	64	45	40	51	107	81	78	99	
Females											
Total not in labor force	42,497	42,071	4,284	4,118	3,380	3,263	19,707	19,285	15,127	15,404	
Do not want a job now	38,834	38,325	3,596	3,407	2,856	2,712	17,521	17,136	14,862	15,072	
Current activity:											
Going to school	4,065	3,908	2,851	2,806	896	750	312	335	8	18	
Ill, disabled	1,966	1,970	18	6	51	62	909	864	987	1,038	
Keeping house	29,825	29,599	575	487	1,781	1,754	15,522	15,229	11,946	12,132	
Retired	1,815	1,796	--	--	--	--	22	17	1,793	1,779	
Other	1,163	1,052	152	108	128	146	755	691	128	105	
Want a job now	3,663	3,746	688	710	524	552	2,186	2,147	265	334	
Reason not looking:											
School attendance	732	725	492	483	118	113	118	126	2	2	
Ill health, disability	384	445	7	11	34	25	292	295	52	113	
Home responsibilities	1,219	1,155	81	91	170	227	935	805	34	31	
Think cannot get job	648	655	52	60	95	66	395	420	106	109	
Other reasons	680	766	56	65	107	121	446	501	71	79	

¹ Includes small number of men not looking for work because of "home responsibilities."

NOTE: Detail in tables A-54, A-55, and A-57 may not add to not-in-labor-force totals because of differences in the weighting patterns used in aggregating these data.

HOUSEHOLD DATA QUARTERLY AVERAGES

A-55. Job desire of persons not in labor force and reasons for not seeking work by age, race, and sex

[In thousands]

Reasons for not seeking work	Total		Age in years						Males		Females	
			16-24		25-59		60 and over		IV 1976	IV 1977	IV 1976	IV 1977
	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977				
WHITE												
Total not in labor force	51,756	51,282	10,168	9,815	19,876	19,435	21,711	22,031	14,311	14,237	37,445	37,045
Do not want a job now	47,792	47,191	8,741	8,285	17,800	17,489	21,251	21,482	13,130	13,029	34,662	34,162
Current activity:												
Going to school	6,612	6,437	6,116	5,895	484	550	10	24	3,309	3,279	3,303	3,158
Ill, disabled	3,654	3,476	135	100	1,627	1,614	1,890	1,794	2,065	1,908	1,589	1,568
Keeping house	27,370	27,108	2,039	926	14,185	13,875	11,149	11,309	214	187	27,156	26,921
Retired	7,869	8,098	--	--	174	212	7,692	7,887	6,237	6,461	1,632	1,637
Other	2,286	2,072	451	364	1,328	1,238	510	468	1,304	1,194	982	878
Want a job now	3,964	4,092	1,427	1,533	2,076	1,977	460	549	1,181	1,209	2,783	2,883
Reason not looking:												
School attendance	1,002	1,027	871	915	128	79	2	2	504	528	498	499
Ill health, disability	460	564	41	30	327	368	93	164	203	239	257	325
Home responsibilities ¹	962	935	172	222	763	682	27	31	--	--	962	935
Think cannot get job	713	686	138	145	378	359	197	184	221	214	492	472
Other reasons	827	880	205	221	480	489	141	168	253	228	574	652
BLACK AND OTHER												
Total not in labor force	7,509	7,527	2,496	2,424	2,808	2,802	2,206	2,300	2,457	2,502	5,052	5,025
Do not want a job now	6,268	6,303	1,898	1,865	2,251	2,217	2,121	2,220	2,095	2,142	4,173	4,161
Current activity:												
Going to school	1,494	1,493	1,386	1,354	110	142	--	--	732	742	762	750
Ill, disabled	851	833	43	38	494	411	317	381	474	432	377	401
Keeping house	2,700	2,710	336	332	1,389	1,392	976	985	30	32	2,670	2,678
Retired	790	825	--	--	18	22	772	803	607	666	183	159
Other	432	443	136	141	241	250	57	51	252	270	180	173
Want a job now	1,241	1,224	598	556	557	586	85	77	362	360	879	864
Reason not looking:												
School attendance	402	405	354	321	47	83	--	--	168	179	234	226
Ill health, disability	191	187	20	18	133	129	36	41	64	66	127	121
Home responsibilities ¹	256	220	78	95	170	124	7	--	--	--	256	220
Think cannot get job	249	249	83	61	133	160	35	26	93	66	156	183
Other reasons	143	163	63	61	74	90	7	10	37	49	106	114

¹ Small number of men not looking for work because of "home responsibilities" are included in "other reasons."

A-56. Persons not in labor force who desire work but think they cannot get jobs by age, race, sex, and detailed reason

[In thousands]

4th Quarter 1977

Detailed reason for not seeking work	Total	Age in years				Race	
		16-19	20-24	25-59	60 and over	White	Black and other
TOTAL							
Personal factors:							
Employers think too young or old	172	27	2	26	116	152	19
Lacks education or training	114	11	18	81	4	67	47
Other personal handicap	43	--	11	18	4	39	4
Job-market factors:							
Could not find job	337	43	60	199	33	211	125
Thinks no job available	268	16	16	184	53	217	52
Males							
Personal factors:							
Employers think too young or old	77	12	--	5	60	69	8
Lacks education or training	15	--	5	7	2	5	10
Other personal handicap	16	--	2	11	2	13	2
Job-market factors:							
Could not find job	103	16	27	44	16	69	34
Thinks no job available	68	9	7	32	21	58	11
Females							
Personal factors:							
Employers think too young or old	95	15	2	21	56	83	11
Lacks education or training	99	11	12	73	2	62	37
Other personal handicap	28	--	9	16	2	26	2
Job-market factors:							
Could not find job	233	27	34	155	18	142	91
Thinks no job available	200	7	9	154	32	159	41

HOUSEHOLD DATA QUARTERLY AVERAGES

A-57. Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during previous 12 months by age, race, and sex

[Numbers in thousands]

Most recent work experience and reason for leaving job	Total		Age in years						White		Black and other	
			16-24		25-59		60 and over		IV 1976	IV 1977	IV 1976	IV 1977
	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977				
Total, not in labor force	59,264	58,808	12,664	12,240	22,683	22,237	23,917	24,331	51,756	51,281	7,509	7,526
Never worked	9,834	9,124	4,982	4,708	2,224	2,140	2,628	2,275	8,002	7,319	1,832	1,805
Last worked over 5 years ago	27,775	28,041	354	308	11,480	11,069	15,940	16,663	24,907	25,054	2,868	2,986
Last worked 1 to 5 years ago	11,551	11,125	2,012	1,799	5,598	5,360	3,942	3,967	10,182	9,765	1,370	1,361
Left job during previous 12 months	10,103	10,517	5,315	5,424	3,380	3,668	1,407	1,425	8,665	9,144	1,438	1,373
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	48.7	48.5	65.1	66.8	40.3	38.2	7.4	5.1	50.0	50.3	41.1	36.5
Ill health, disability	8.4	8.4	1.7	1.4	15.7	14.8	16.5	18.4	7.4	7.4	14.5	14.6
Retirement, old age	7.6	7.8	--	--	2.9	4.0	47.5	47.0	8.2	8.0	3.2	5.9
Economic reasons	20.0	19.4	19.0	16.9	22.2	23.1	18.6	19.7	18.9	18.8	26.7	23.5
End of seasonal job	9.3	8.5	10.8	9.2	7.4	7.5	8.1	8.3	8.6	8.1	13.2	11.0
Slack work	5.6	5.3	4.0	3.2	8.4	8.3	5.0	5.2	5.3	5.1	7.8	6.5
End of temporary job	5.1	5.6	4.2	4.4	6.4	7.3	5.4	6.2	5.0	5.6	5.8	6.1
All other reasons	15.2	16.0	14.3	14.9	18.9	19.9	10.1	9.9	15.4	15.5	14.4	19.5
Males, not in labor force	16,767	16,738	5,001	4,858	2,976	2,951	8,791	8,926	14,311	14,236	2,457	2,501
Never worked	2,222	2,011	1,949	1,781	226	178	46	52	1,660	1,414	561	597
Last worked over 5 years ago	6,662	6,836	46	38	981	1,008	5,634	5,791	5,818	5,965	844	870
Last worked 1 to 5 years ago	3,788	3,607	512	417	1,010	953	2,265	2,236	3,314	3,122	474	486
Left job during previous 12 months	4,095	4,283	2,493	2,624	758	812	845	847	3,518	3,736	577	547
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	44.8	44.9	65.4	66.5	24.0	20.1	2.6	1.8	45.7	45.9	39.6	37.8
Ill health, disability	10.4	9.2	2.2	1.1	30.7	29.0	16.4	15.0	9.5	8.6	15.8	12.6
Retirement, old age	12.7	13.5	--	--	8.8	13.1	53.4	55.7	13.8	13.9	6.1	10.8
Economic reasons	19.6	17.7	20.1	17.7	17.7	16.5	20.0	19.1	18.8	16.9	25.0	23.2
End of seasonal job	10.3	9.5	11.8	10.7	6.1	6.3	9.5	8.7	10.3	9.1	10.6	12.2
Slack work	4.9	4.0	3.8	2.9	7.2	6.8	5.7	5.1	4.4	3.8	7.5	5.7
End of temporary job	4.5	4.2	4.4	4.1	4.2	3.3	4.9	5.3	4.1	4.0	6.9	5.5
All other reasons	12.5	14.8	12.3	14.8	18.9	21.3	7.6	8.4	12.3	14.6	13.5	15.5
Females, not in labor force	42,497	42,071	7,664	7,381	19,707	19,285	15,127	15,404	37,445	37,045	5,052	5,025
Never worked	7,612	7,112	3,034	2,927	1,997	1,962	2,582	2,223	6,342	5,905	1,271	1,208
Last worked over 5 years ago	21,113	21,206	308	272	10,499	10,062	10,306	10,873	19,089	19,089	2,024	2,116
Last worked 1 to 5 years ago	7,764	7,518	1,499	1,381	4,588	4,407	1,676	1,731	6,868	6,643	896	875
Left job during previous 12 months	6,007	6,234	2,822	2,801	2,622	2,856	563	578	5,147	5,408	861	826
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	51.4	50.9	64.8	67.0	44.9	43.3	14.5	9.8	52.9	53.3	42.2	35.6
Ill health, disability	7.1	7.8	1.3	1.7	11.3	10.7	16.5	23.3	6.0	6.6	13.6	15.9
Retirement, old age	4.1	3.8	--	--	1.2	1.4	38.6	34.2	4.6	4.0	1.3	2.7
Economic reasons	20.2	20.6	18.0	16.1	23.6	25.0	16.5	20.6	18.9	20.1	28.0	23.7
End of seasonal job	8.5	7.8	9.8	7.8	7.7	7.8	5.8	7.6	7.5	7.4	14.9	10.2
Slack work	6.2	6.1	4.1	3.5	8.7	8.8	4.2	5.4	5.9	6.0	8.0	7.0
End of temporary job	5.5	6.7	3.9	4.8	7.1	8.3	6.4	7.4	5.6	6.7	5.0	6.5
All other reasons	17.1	16.8	16.1	15.1	18.9	19.5	14.0	12.1	17.5	16.0	15.0	22.2

A-58. Work-seeking intentions of persons not in labor force and work history of those who intend to seek work within next 12 months by age, race, and sex

[In thousands]

Work-seeking intentions and work history	Total		Age in years						White		Black and other		
			16-24		25-59		60 and over		IV 1976	IV 1977	IV 1976	IV 1977	
	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977					IV 1976	IV 1977
Total	48,918	48,197	6,448	5,989	19,076	18,476	23,394	23,731	43,452	42,636	5,466	5,561	
Do not intend to seek work	10,345	10,612	6,215	6,252	3,606	3,760	523	601	8,304	8,645	2,041	1,964	
Intend to seek work in the next 12 months	1,835	1,851	1,703	1,683	128	161	4	7	1,355	1,336	480	514	
Never worked	1,102	1,186	48	64	957	989	96	132	929	968	174	217	
Last worked over 5 years ago	2,313	2,177	871	797	1,247	1,183	197	199	1,796	1,699	518	478	
Last worked 1 to 5 years ago	5,095	5,398	3,595	3,708	1,274	1,427	226	263	4,225	4,642	870	755	
Worked during previous 12 months	Males	12,997	12,807	2,142	1,958	2,357	2,236	8,499	8,612	11,210	10,982	1,787	1,825
Do not intend to seek work	3,770	3,930	2,859	2,901	619	715	291	314	3,101	3,254	669	675	
Intend to seek work in the next 12 months	733	734	717	715	15	17	--	2	544	530	189	203	
Never worked	107	136	7	13	60	68	41	55	84	103	24	33	
Last worked over 5 years ago	623	571	303	233	212	234	108	105	521	448	102	123	
Last worked 1 to 5 years ago	2,307	2,489	1,832	1,940	331	397	143	152	1,952	2,173	354	316	
Worked during previous 12 months	Females	35,921	35,389	4,306	4,030	16,720	16,240	14,895	15,118	32,242	31,654	3,679	3,736
Do not intend to seek work	6,575	6,681	3,358	3,351	2,986	3,045	231	286	5,203	5,391	1,372	1,289	
Intend to seek work in the next 12 months	1,102	1,117	985	969	112	144	4	4	811	806	291	311	
Never worked	994	1,050	42	51	896	921	55	77	845	865	150	184	
Last worked over 5 years ago	1,691	1,606	567	563	1,034	950	89	94	1,275	1,251	416	355	
Last worked 1 to 5 years ago	2,788	2,908	1,762	1,768	942	1,030	84	111	2,273	2,469	516	439	
Worked during previous 12 months													

**HOUSEHOLD DATA
QUARTERLY AVERAGES**

A-59. Employment status of the civilian noninstitutional population and the white, black, and Hispanic origin components by sex and age

[Numbers in thousands]

Employment status	Total		White		Black ¹		Hispanic origin ²	
	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977
TOTAL								
Civilian noninstitutional population	154,843	157,399	136,326	138,364	16,077	16,467	7,121	7,280
Civilian labor force	95,561	98,591	84,570	87,082	9,451	9,910	4,323	4,487
Percent of population	61.7	62.6	62.0	62.9	58.8	60.2	60.7	61.6
Employment	88,578	92,442	78,966	82,378	8,208	8,574	3,841	4,095
Agriculture	3,126	3,167	2,865	2,912	233	220	198	204
Nonagricultural industries	85,452	89,275	76,102	79,465	7,975	8,354	3,644	3,891
Unemployment	6,983	6,149	5,604	4,705	1,243	1,336	482	392
Unemployment rate	7.3	6.2	6.6	5.4	13.2	13.5	11.1	8.7
Not in labor force	59,282	58,808	51,756	51,282	6,626	6,557	2,797	2,793
Males, 20 years and over								
Civilian noninstitutional population	65,014	66,261	57,862	58,897	6,157	6,317	2,790	2,909
Civilian labor force	51,854	52,907	46,430	47,346	4,648	4,754	2,362	2,469
Percent of population	79.8	79.8	80.2	80.4	75.5	75.3	84.7	84.9
Employment	48,958	50,567	44,092	45,529	4,148	4,273	2,138	2,317
Agriculture	2,266	2,301	2,059	2,103	183	174	144	151
Nonagricultural industries	46,692	48,267	42,032	43,426	3,965	4,099	1,994	2,166
Unemployment	2,896	2,340	2,338	1,818	500	481	224	153
Unemployment rate	5.6	4.4	5.0	3.8	10.7	10.1	9.5	6.2
Not in labor force	13,160	13,354	11,432	11,550	1,510	1,563	428	440
Females, 20 years and over								
Civilian noninstitutional population	73,378	74,671	64,497	65,507	7,707	7,903	3,288	3,340
Civilian labor force	35,147	36,718	30,434	31,714	4,065	4,319	1,499	1,537
Percent of population	47.9	49.2	47.2	48.4	52.7	54.7	45.3	46.0
Employment	32,648	34,348	28,452	29,911	3,608	3,800	1,324	1,397
Agriculture	532	533	496	489	30	34	25	26
Nonagricultural industries	32,117	33,815	27,956	29,422	3,578	3,766	1,299	1,371
Unemployment	2,499	2,370	1,981	1,803	458	519	165	140
Unemployment rate	7.1	6.5	6.5	5.7	11.3	12.0	11.1	9.1
Not in labor force	38,231	37,953	34,063	33,793	3,641	3,585	1,799	1,803
Both sexes, 16-19 years								
Civilian noninstitutional population	16,451	16,468	13,968	13,961	2,213	2,246	1,043	1,031
Civilian labor force	8,560	8,966	7,707	8,022	738	838	472	481
Percent of population	52.0	54.4	55.2	57.5	33.3	37.3	45.3	46.7
Employment	6,972	7,527	6,422	6,938	453	501	379	382
Agriculture	329	333	309	320	20	11	28	28
Nonagricultural industries	6,643	7,194	6,114	6,618	432	490	351	354
Unemployment	1,588	1,439	1,284	1,084	286	337	93	99
Unemployment rate	18.6	16.0	16.7	13.5	38.7	40.2	19.7	20.6
Not in labor force	7,891	7,502	6,261	5,939	1,475	1,409	571	550

¹ According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.

² Data on persons of Hispanic origin are tabulated separately, without regard to race, which

means that they are also included in the data for white and black workers. At the time of the 1970 Census, approximately 96 percent of their population was white.

HOUSEHOLD DATA QUARTERLY AVERAGES

A-60. Employment status of male Vietnam-Era veterans and nonveterans 20 to 34 years of age

(Numbers in thousands)

Employment status	Not seasonally adjusted		Seasonally adjusted								
	IV 1976	IV 1977	1975				1976				
			IV	I	II	III	IV	I	II	III	IV
VETERANS¹											
Total, 20 to 34 years:											
Civilian noninstitutional population ²	6,797	6,753	6,584	6,640	6,668	6,710	6,797	6,853	6,848	6,815	6,753
Civilian labor force	6,399	6,429	6,186	6,223	6,312	6,335	6,427	6,495	6,503	6,529	6,440
Employed	5,931	6,053	5,575	5,746	5,832	5,808	5,880	6,033	6,017	6,019	6,000
Unemployed	468	376	610	478	480	527	547	462	486	510	440
Unemployment rate	7.3	5.8	9.9	7.7	7.6	8.3	8.5	7.1	7.5	7.8	6.8
20 to 24 years											
Civilian noninstitutional population ²	1,083	968	1,128	1,101	1,088	1,071	1,083	1,084	1,069	1,042	968
Civilian labor force	947	859	967	926	951	931	957	963	938	942	866
Employed	798	750	756	765	793	758	789	804	794	773	741
Unemployed	149	109	211	161	158	173	168	159	144	169	124
Unemployment rate	15.7	12.7	21.8	17.4	16.6	18.6	17.5	16.5	15.4	17.9	14.3
25 to 29 years											
Civilian noninstitutional population ²	3,186	2,813	3,463	3,421	3,328	3,250	3,186	3,109	3,039	2,994	2,813
Civilian labor force	2,996	2,664	3,292	3,240	3,160	3,063	3,017	2,941	2,896	2,868	2,674
Employed	2,788	2,518	3,002	3,015	2,940	2,840	2,763	2,732	2,678	2,680	2,494
Unemployed	208	146	290	225	220	223	254	209	218	187	180
Unemployment rate	6.9	5.5	8.8	6.9	7.0	7.3	8.4	7.1	7.5	6.5	6.7
30 to 34 years											
Civilian noninstitutional population ²	2,528	2,972	1,993	2,118	2,252	2,389	2,528	2,660	2,740	2,779	2,972
Civilian labor force	2,456	2,906	1,927	2,057	2,201	2,341	2,453	2,590	2,669	2,720	2,901
Employed	2,345	2,785	1,818	1,965	2,099	2,210	2,328	2,497	2,545	2,566	2,765
Unemployed	111	121	109	92	103	131	125	94	124	154	135
Unemployment rate	4.5	4.2	5.7	4.5	4.7	5.6	5.1	3.6	4.6	5.7	4.7
NONVETERANS											
Total, 20 to 34 years:											
Civilian noninstitutional population ²	16,999	17,988	16,200	16,419	16,640	16,849	16,999	17,191	17,445	17,711	17,988
Civilian labor force	15,321	16,127	14,520	14,747	15,000	15,180	15,474	15,617	15,720	15,950	16,256
Employed	14,079	15,090	13,110	13,499	13,811	13,884	14,066	14,336	14,606	14,755	15,079
Unemployed	1,242	1,037	1,410	1,248	1,189	1,296	1,408	1,281	1,115	1,195	1,176
Unemployment rate	8.1	6.4	9.7	8.5	7.9	8.5	9.1	8.2	7.1	7.5	7.2
20 to 24 years											
Civilian noninstitutional population ²	7,982	8,299	7,723	7,819	7,885	7,951	7,982	8,037	8,106	8,181	8,299
Civilian labor force	6,725	6,933	6,465	6,621	6,693	6,716	6,881	6,931	6,863	6,930	7,072
Employed	6,000	6,340	5,613	5,856	5,975	5,985	6,045	6,179	6,196	6,250	6,390
Unemployed	725	593	852	765	718	731	835	752	667	680	682
Unemployment rate	10.8	8.6	13.2	11.6	10.7	10.9	12.1	10.8	9.7	9.8	9.6
25 to 29 years											
Civilian noninstitutional population ²	5,173	5,574	4,626	4,775	4,972	5,120	5,173	5,240	5,301	5,355	5,574
Civilian labor force	4,897	5,268	4,355	4,487	4,678	4,843	4,882	4,943	4,991	5,038	5,248
Employed	4,551	4,983	4,030	4,191	4,385	4,465	4,512	4,580	4,701	4,714	4,942
Unemployed	346	285	326	296	293	378	370	363	290	324	305
Unemployment rate	7.1	5.4	7.5	6.6	6.3	7.8	7.6	7.3	5.8	6.4	5.8
30 to 34 years											
Civilian noninstitutional population ²	3,844	4,115	3,851	3,825	3,783	3,778	3,844	3,914	4,038	4,175	4,115
Civilian labor force	3,699	3,926	3,700	3,638	3,630	3,621	3,711	3,743	3,866	3,981	3,936
Employed	3,528	3,767	3,468	3,452	3,452	3,434	3,509	3,577	3,709	3,791	3,747
Unemployed	171	159	232	187	178	187	202	165	157	191	189
Unemployment rate	4.6	4.0	6.3	5.1	4.9	5.2	5.4	4.4	4.1	4.8	4.8

¹ Vietnam-Era veterans are those who served between August 5, 1964, and May 7, 1975.

² Since seasonal variations are not present in the population figures, identical numbers appear in the unadjusted and seasonally adjusted columns.

**HOUSEHOLD DATA
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A-61. Employment status of male Vietnam-Era veterans and nonveterans 20 to 34 years by age and race

[Numbers in thousands]

Employment status	Veterans ¹						Nonveterans					
	White			Black and other			White			Black and other		
	IV 1976	III 1977	IV 1977	IV 1976	III 1977	IV 1977	IV 1976	III 1977	IV 1977	IV 1976	III 1977	IV 1977
Total, 20 to 34 years:												
Civilian noninstitutional population	6,077	6,099	6,065	720	716	688	14,819	15,423	15,649	2,180	2,288	2,339
Civilian labor force	5,757	5,870	5,810	642	661	619	13,483	14,340	14,182	1,838	1,944	1,945
Employed	5,379	5,537	5,534	552	556	519	12,520	13,523	13,391	1,559	1,648	1,699
Unemployed	378	333	276	90	105	100	963	817	791	279	296	246
Unemployment rate	6.6	5.7	4.8	14.0	15.9	16.2	7.1	5.7	5.6	15.2	15.2	12.6
20 to 24 years												
Civilian noninstitutional population	910	854	805	173	188	163	6,984	7,170	7,250	998	1,011	1,049
Civilian labor force	811	781	726	136	167	133	5,948	6,438	6,139	777	798	794
Employed	692	682	658	106	116	92	5,389	5,961	5,681	611	623	659
Unemployed	119	99	68	30	51	41	559	477	458	166	175	135
Unemployment rate	14.7	12.7	9.4	22.1	30.5	30.8	9.4	7.4	7.5	21.4	21.9	17.0
25 to 29 years												
Civilian noninstitutional population	2,874	2,700	2,538	312	294	275	4,512	4,657	4,848	661	698	726
Civilian labor force	2,708	2,597	2,417	288	275	247	4,310	4,435	4,621	587	622	647
Employed	2,542	2,454	2,298	246	246	220	4,040	4,215	4,410	511	552	573
Unemployed	166	143	119	42	29	27	270	220	211	76	70	74
Unemployment rate	6.1	5.5	4.9	14.6	10.5	10.9	6.3	5.0	4.6	12.9	11.3	11.4
30 to 34 years												
Civilian noninstitutional population	2,293	2,545	2,722	235	234	250	3,323	3,596	3,551	521	579	564
Civilian labor force	2,238	2,492	2,667	218	219	239	3,225	3,467	3,422	474	524	504
Employed	2,145	2,401	2,578	200	194	207	3,091	3,347	3,300	437	473	467
Unemployed	93	91	89	18	25	32	134	120	122	37	51	37
Unemployment rate	4.2	3.7	3.3	8.3	11.4	13.4	4.2	3.5	3.6	7.8	9.7	7.3

¹ See footnote 1, table A-60.

HOUSEHOLD DATA QUARTERLY AVERAGES

A-62. Employment status of the population in metropolitan and nonmetropolitan areas by sex, age, and race

(Numbers in thousands)

Employment status	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977
Total												
Civilian noninstitutional population	105,295	106,825	45,347	45,210	59,948	61,615	49,548	50,575	4,728	4,724	44,820	45,851
Civilian labor force	65,835	67,769	27,538	27,746	38,297	40,023	29,726	30,822	2,876	2,982	26,850	27,840
Percent of population	62.5	63.4	60.7	61.4	63.9	65.0	60.0	60.9	60.8	63.1	59.9	60.7
Employed	60,826	63,388	25,137	25,507	35,689	37,881	27,752	29,054	2,796	2,906	24,956	26,148
Unemployed	5,009	4,381	2,401	2,239	2,608	2,142	1,974	1,768	80	76	1,894	1,692
Unemployment rate	7.6	6.5	8.7	8.1	6.8	5.4	6.6	5.7	2.8	2.5	7.1	6.1
Not in labor force	39,459	39,056	17,809	17,464	21,650	21,592	19,822	19,753	1,852	1,742	17,970	18,011
Males, 20 years and over												
Civilian noninstitutional population	43,980	44,747	18,616	18,601	25,364	26,146	21,035	21,514	2,139	2,152	18,896	19,362
Civilian labor force	35,542	36,174	14,513	14,488	21,029	21,686	16,313	16,733	1,789	1,816	14,524	14,917
Percent of population	80.8	80.8	78.0	77.9	82.9	82.9	77.6	77.8	83.7	84.4	76.9	77.0
Employed	33,423	34,501	13,409	13,543	20,014	20,958	15,535	16,067	1,758	1,793	13,777	14,274
Unemployed	2,118	1,673	1,102	946	1,016	727	778	667	31	23	747	644
Unemployment rate	6.0	4.6	7.6	6.5	4.8	3.4	4.8	4.0	1.7	1.3	5.1	4.3
Not in labor force	8,438	8,573	4,103	4,113	4,335	4,460	4,722	4,780	350	336	4,372	4,444
Females, 20 years and over												
Civilian noninstitutional population	50,111	50,926	22,168	22,206	27,943	28,720	23,267	23,745	2,032	2,011	21,235	21,734
Civilian labor force	24,450	25,512	10,871	11,026	13,579	14,486	10,697	11,206	830	879	9,867	10,327
Percent of population	48.8	50.1	49.0	49.7	48.6	50.4	46.0	47.2	40.9	43.7	46.5	47.5
Employed	22,691	23,817	10,048	10,206	12,643	13,611	9,958	10,531	797	852	9,161	9,679
Unemployed	1,759	1,695	822	821	937	874	739	675	34	28	705	647
Unemployment rate	7.2	6.6	7.6	7.4	6.9	6.0	6.9	6.0	4.1	3.1	7.1	6.3
Not in labor force	25,661	25,414	11,297	11,180	14,364	14,234	12,570	12,539	1,202	1,131	11,368	11,408
Both sexes, 16-19 years												
Civilian noninstitutional population	11,204	11,151	4,563	4,403	6,641	6,748	5,247	5,316	557	561	4,690	4,755
Civilian labor force	5,843	6,083	2,155	2,231	3,688	3,852	2,716	2,883	257	287	2,459	2,596
Percent of population	52.2	54.6	47.2	50.7	55.5	57.1	51.8	54.2	46.0	51.1	52.4	54.6
Employed	4,712	5,070	1,679	1,759	3,033	3,311	2,260	2,457	241	262	2,019	2,195
Unemployed	1,131	1,013	476	472	655	541	457	426	15	25	442	401
Unemployment rate	19.4	16.7	22.1	21.2	17.8	14.0	16.8	14.8	5.9	8.8	18.0	15.4
Not in labor force	5,361	5,068	2,408	2,172	2,953	2,896	2,530	2,434	301	274	2,229	2,160
White												
Civilian noninstitutional population	91,120	92,307	35,011	34,754	56,109	57,553	45,205	46,057	4,447	4,459	40,758	41,598
Civilian labor force	57,322	58,854	21,539	21,535	35,783	37,319	27,248	28,228	2,733	2,835	24,515	25,393
Percent of population	62.9	63.8	61.5	62.0	63.8	64.8	60.3	61.3	61.4	63.6	60.1	61.0
Employed	53,402	55,622	19,941	20,200	33,461	35,422	25,564	26,756	2,664	2,773	22,900	23,983
Unemployed	3,920	3,233	1,598	1,335	2,322	1,898	1,684	1,472	69	62	1,615	1,410
Unemployment rate	6.8	5.5	7.4	6.2	6.5	5.1	6.2	5.2	2.5	2.2	6.6	5.6
Not in labor force	33,799	33,453	13,472	13,219	20,327	20,234	17,957	17,829	1,715	1,624	16,242	16,205
Black and other												
Civilian noninstitutional population	14,174	14,517	10,336	10,455	3,838	4,062	4,343	4,518	281	265	4,062	4,253
Civilian labor force	8,513	8,914	6,000	6,211	2,513	2,703	2,478	2,594	143	147	2,335	2,447
Percent of population	60.1	61.4	58.0	59.4	65.5	66.5	57.1	57.4	51.1	55.4	57.5	57.5
Employed	7,424	7,766	5,196	5,307	2,228	2,459	2,187	2,298	132	133	2,055	2,165
Unemployed	1,089	1,148	803	903	286	245	290	296	11	14	279	282
Unemployment rate	12.8	12.9	13.4	14.5	11.4	9.1	11.7	11.4	7.8	9.5	11.9	11.5
Not in labor force	5,661	5,603	4,336	4,246	1,325	1,357	1,865	1,924	137	118	1,728	1,806

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A-63. Employment status of the population in poverty and nonpoverty areas by race

(Number in thousands)

Employment status	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977
Total												
Civilian noninstitutional population	29,061	29,286	125,782	128,114	11,494	11,619	93,800	95,205	17,567	17,666	31,982	32,908
Civilian labor force	15,940	16,388	79,621	82,202	6,017	6,265	59,819	61,504	9,923	10,124	19,803	20,698
Percent of population	54.8	56.0	63.3	64.2	52.3	53.9	63.8	64.6	56.5	57.3	61.9	62.9
Employed	14,485	15,004	74,093	77,439	5,238	5,461	55,589	57,926	9,247	9,542	18,505	19,512
Unemployed	1,455	1,385	5,528	4,764	779	803	4,230	3,578	676	581	1,298	1,186
Unemployment rate	9.1	8.4	6.9	5.8	12.9	12.8	7.1	5.8	6.8	5.7	6.6	5.7
Not in labor force	13,121	12,897	46,161	45,911	5,478	5,355	33,982	33,701	7,643	7,543	12,179	12,210
White												
Civilian noninstitutional population	20,391	20,547	115,935	117,817	5,838	5,957	85,282	86,350	14,552	14,590	30,653	31,467
Civilian labor force	11,441	11,758	73,129	75,324	3,148	3,303	54,174	55,552	8,293	8,456	18,955	19,772
Percent of population	56.1	57.2	63.1	63.9	53.9	55.4	63.5	64.3	57.0	58.0	61.8	62.8
Employed	10,628	11,076	68,339	71,301	2,826	3,021	50,576	52,601	7,801	8,055	17,763	18,701
Unemployed	814	682	4,790	4,023	321	282	3,598	2,951	492	400	1,192	1,072
Unemployment rate	7.1	5.8	6.5	5.3	10.2	8.5	6.6	5.3	5.9	4.7	6.3	5.4
Not in labor force	8,949	8,788	42,807	42,493	2,690	2,654	31,108	30,799	6,259	6,134	11,698	11,695
Black and other												
Civilian noninstitutional population	8,671	8,739	9,847	10,296	5,656	5,662	8,518	8,855	3,014	3,077	1,329	1,441
Civilian labor force	4,499	4,630	6,493	6,878	2,869	2,962	5,645	5,952	1,630	1,668	848	926
Percent of population	51.9	53.0	65.9	66.8	50.7	52.3	66.3	67.2	54.1	54.2	63.8	64.2
Employed	3,857	3,927	5,754	6,137	2,411	2,441	5,013	5,326	1,446	1,487	741	811
Unemployed	641	703	738	741	458	521	632	627	184	181	107	115
Unemployment rate	14.3	15.2	11.4	10.8	16.0	17.6	11.2	10.5	11.3	10.9	12.6	12.4
Not in labor force	4,172	4,109	3,354	3,418	2,788	2,700	2,873	2,902	1,384	1,408	481	515

A-64. Unemployment rates for selected labor force groups in poverty and nonpoverty areas by sex, age, and race

Sex, age, and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977	IV 1976	IV 1977
Total												
Both sexes, 16 years and over	9.1	8.4	6.9	5.8	12.9	12.8	7.1	5.8	6.8	5.7	6.6	5.7
Males, 20 years and over	7.2	6.1	5.3	4.1	11.8	10.5	5.4	4.1	4.7	3.6	4.8	4.2
Females, 20 years and over	8.6	8.4	6.8	6.1	10.4	11.5	6.9	6.1	7.4	6.4	6.7	5.9
Both sexes, 16-19 years	22.9	22.1	17.7	14.8	32.4	31.4	18.1	15.1	17.6	16.3	16.4	14.0
White												
Both sexes, 16 years and over	7.1	5.8	6.5	5.3	10.2	8.5	6.6	5.3	5.9	4.7	6.3	5.4
Males, 20 years and over	5.6	4.1	4.9	3.8	9.6	6.9	5.1	3.7	4.1	3.0	4.6	4.0
Females, 20 years and over	6.9	6.2	6.4	5.6	8.7	8.8	6.4	5.6	6.3	5.2	6.4	5.6
Both sexes, 16-19 years	17.1	14.3	16.6	13.4	21.0	17.4	16.9	13.6	15.8	13.2	15.7	12.9
Black and other												
Both sexes, 16 years and over	14.3	15.2	11.4	10.8	16.0	17.6	11.2	10.5	11.3	10.9	12.6	12.4
Males, 20 years and over	11.9	11.8	9.2	7.7	14.4	15.0	9.0	7.6	7.7	6.5	9.9	8.9
Females, 20 years and over	12.1	13.2	10.2	10.1	12.0	14.1	10.1	10.1	12.4	11.5	11.1	10.3
Both sexes, 16-19 years	38.0	40.7	33.6	34.9	44.0	45.0	33.8	34.3	27.3	32.2	32.9	37.5

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A-65. Unemployed persons by family relationship and presence of employed family members

(Numbers in thousands)

Family relationship	IV 1976				IV 1977			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family em- ployed full time		With no employed person in family	With at least one employed person in family	With at least one person in family em- ployed full time
TOTAL								
Unemployed, total	6,983	40.2	59.8	52.6	6,149	38.4	61.6	55.0
Unemployed, in families ¹	6,017	30.5	69.5	61.1	5,320	28.9	71.1	63.6
Husbands ²	1,568	49.9	50.1	38.1	1,219	49.7	50.3	38.1
Wives	1,441	16.4	83.6	77.9	1,328	14.1	85.9	79.7
Relatives in husband-wife families	1,808	10.7	89.3	84.0	1,638	10.4	89.6	85.5
Women who head families	436	80.5	19.5	12.8	409	79.5	20.5	14.4
Relatives of female heads	764	35.9	64.1	49.5	726	34.0	66.0	55.4
Unemployed, not in families ³	966	--	--	--	829	--	--	--
White								
Unemployed, total	5,604	38.5	61.5	54.3	4,705	36.6	63.4	56.8
Unemployed, in families ¹	4,831	28.7	71.3	63.0	4,050	26.4	73.6	66.0
Husbands ²	1,340	50.2	49.8	37.2	1,017	49.6	50.4	37.5
Wives	1,237	15.8	84.2	78.5	1,099	13.6	86.4	80.5
Relatives in husband-wife families	1,516	10.2	89.8	84.9	1,284	9.1	90.9	87.5
Women who head families	275	75.6	24.4	15.6	247	71.7	28.3	19.4
Relatives of female heads	463	33.5	66.5	52.7	403	30.3	69.7	58.1
Unemployed, not in families ³	773	--	--	--	655	--	--	--
Black⁴								
Unemployed, total	1,243	47.9	52.1	44.7	1,336	44.4	55.6	49.2
Unemployed, in families ¹	1,071	39.5	60.5	51.9	1,186	37.4	62.6	55.4
Husbands ²	196	48.5	51.5	43.4	179	49.7	50.3	40.8
Wives	174	19.0	81.0	76.4	202	17.3	82.7	75.7
Relatives in husband-wife families	254	13.8	86.2	79.5	332	15.1	84.9	77.7
Women who head families	156	90.4	9.6	7.1	158	92.4	7.6	6.3
Relatives of female heads	291	40.9	59.1	43.0	315	39.0	61.0	51.7
Unemployed, not in families ³	172	--	--	--	150	--	--	--

¹ In primary families only.

² Includes a small number of single, separated, widowed, or divorced men who head families.

³ Includes unrelated individuals and persons in secondary families.

⁴ According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.

HOUSEHOLD DATA QUARTERLY AVERAGES

A-66. Employed persons by family relationship and presence of additional employed family members

(Numbers in thousands)

Family relationship	IV 1976				IV 1977			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed per- son in family	With another employed per- son in family	With another person in family em- ployed full time		With no other employed per- son in family	With another employed per- son in family	With another person in family em- ployed full time
TOTAL								
Employed, total	88,578	38.4	61.6	52.2	92,442	37.9	62.1	52.9
Employed, in families ¹	77,423	29.5	70.5	59.7	79,990	28.2	71.8	61.1
Husbands ²	38,769	42.9	57.1	40.8	39,339	41.4	58.6	42.3
Wives	20,726	9.4	90.6	86.2	21,471	8.6	91.4	86.8
Relatives in husband-wife families	11,110	6.8	93.2	89.4	11,734	6.2	93.8	90.6
Women who head families	3,878	68.2	31.8	21.3	4,208	66.5	33.5	23.8
Relatives of female heads	2,940	29.2	70.8	60.1	3,238	27.9	72.1	60.8
Employed, not in families ³	11,155	--	--	--	12,452	--	--	--
White								
Employed, total	78,966	38.0	62.0	52.3	82,378	37.4	62.6	53.1
Employed, in families ¹	69,249	29.3	70.7	59.6	71,498	27.9	72.1	61.1
Husbands ²	35,394	43.4	56.6	40.0	35,938	41.9	58.1	41.4
Wives	18,582	9.1	90.9	86.7	19,295	8.1	91.9	87.3
Relatives in husband-wife families	10,068	6.6	93.4	89.7	10,705	6.1	93.9	90.8
Women who head families	2,907	66.3	33.7	21.9	3,084	64.3	35.7	24.8
Relatives of female heads	2,298	29.3	70.7	60.2	2,476	27.8	72.2	61.1
Employed, not in families ³	9,717	--	--	--	10,880	--	--	--
Black⁴								
Employed, total	8,208	42.5	57.5	42.7	8,574	42.7	57.3	50.3
Employed, in families ¹	6,977	32.4	67.6	58.9	7,252	32.3	67.7	59.5
Husbands ²	2,861	37.7	62.3	50.3	2,877	36.6	63.4	52.2
Wives	1,796	12.8	87.2	81.4	1,817	13.4	86.6	81.6
Relatives in husband-wife families	827	9.8	90.2	85.0	819	7.6	92.4	87.8
Women who head families	914	75.4	24.6	18.3	1,053	74.1	25.9	19.8
Relatives of female heads	579	30.9	69.1	58.0	686	29.6	70.4	58.3
Employed, not in families ³	1,231	--	--	--	1,322	--	--	--

¹ See footnote 1, table A-65.

² See footnote 2, table A-65.

³ See footnote 3, table A-65.

⁴ See footnote 4, table A-65.

ESTABLISHMENT DATA HISTORICAL EMPLOYMENT

B-1. Employees on nonagricultural payrolls, by industry division, 1919 to date

(In thousands)

Year and month	Total	Goods-producing					Service-producing								
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
								Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	27,088	12,813	1,133	1,021	10,659	14,275	3,711	4,514	-	-	1,111	2,263	2,676	-	-
1920.....	27,350	12,745	1,239	848	10,658	14,605	3,998	4,467	-	-	1,175	2,362	2,603	-	-
1925.....	28,778	12,474	1,089	1,446	9,939	16,304	3,826	5,576	-	-	1,233	2,869	2,800	-	-
1926.....	29,819	12,896	1,185	1,555	10,156	16,923	3,942	5,784	-	-	1,305	3,046	2,846	-	-
1927.....	29,976	12,723	1,114	1,608	10,001	17,253	3,895	5,908	-	-	1,367	3,168	2,915	-	-
1928.....	30,000	12,603	1,050	1,606	9,947	17,397	3,828	5,874	-	-	1,435	3,265	2,995	-	-
1929.....	31,339	13,286	1,087	1,497	10,702	18,053	3,916	6,123	-	-	1,509	3,440	3,065	533	2,532
1930.....	29,424	11,943	1,009	1,372	9,562	17,481	3,685	5,797	-	-	1,475	3,376	3,148	526	2,622
1931.....	26,649	10,257	873	1,214	8,170	16,392	3,254	5,284	-	-	1,407	3,183	3,264	560	2,704
1932.....	23,628	8,632	731	970	6,931	14,996	2,816	4,683	-	-	1,341	2,931	3,225	559	2,666
1933.....	23,711	8,950	744	809	7,397	14,761	2,672	4,755	-	-	1,295	2,873	3,166	565	2,601
1934.....	25,953	10,246	883	862	8,501	15,707	2,750	5,281	-	-	1,319	3,058	3,299	652	2,647
1935.....	27,053	10,878	897	912	9,069	16,175	2,786	5,431	-	-	1,335	3,142	3,481	753	2,728
1936.....	29,082	11,918	946	1,145	9,827	17,164	2,973	5,809	-	-	1,388	3,326	3,668	826	2,842
1937.....	31,026	12,921	1,015	1,112	10,794	18,105	3,134	6,265	-	-	1,432	3,518	3,756	833	2,923
1938.....	29,209	11,386	891	1,055	9,440	17,823	2,863	6,179	-	-	1,425	3,473	3,883	829	3,054
1939.....	30,618	12,282	854	1,150	10,278	18,336	2,936	6,426	1,684	4,742	1,462	3,517	3,995	905	3,090
1940.....	32,376	13,204	925	1,294	10,985	19,173	3,038	6,750	1,754	4,996	1,502	3,681	4,202	996	3,206
1941.....	36,554	15,939	957	1,790	13,192	20,614	3,274	7,210	1,873	5,338	1,549	3,921	4,660	1,340	3,320
1942.....	40,125	18,442	992	2,170	15,280	21,683	3,460	7,118	1,821	5,297	1,538	4,084	5,483	2,213	3,270
1943.....	42,452	20,094	925	1,567	17,602	22,359	3,647	6,982	1,741	5,241	1,502	4,148	6,080	2,905	3,174
1944.....	41,883	19,314	892	1,094	17,328	22,569	3,829	7,058	1,762	5,296	1,476	4,163	6,043	2,928	3,116
1945.....	40,394	17,492	836	1,132	15,524	22,902	3,906	7,314	1,862	5,452	1,497	4,241	5,944	2,808	3,137
1946.....	41,674	17,226	862	1,661	14,703	24,448	4,061	8,376	2,190	6,186	1,697	4,719	5,595	2,254	3,341
1947.....	43,881	18,482	955	1,982	15,545	25,399	4,166	8,955	2,361	6,595	1,754	5,050	5,474	1,892	3,582
1948.....	44,891	18,745	994	2,169	15,582	26,146	4,189	9,272	2,489	6,783	1,829	5,206	5,650	1,863	3,787
1949.....	43,778	17,536	930	2,165	14,441	26,242	4,001	9,264	2,487	6,778	1,857	5,264	5,856	1,908	3,948
1950.....	45,222	18,475	901	2,333	15,241	26,747	4,034	9,386	2,518	6,868	1,919	5,382	6,026	1,928	4,098
1951.....	47,849	19,925	929	2,603	16,393	27,924	4,226	9,742	2,606	7,136	1,991	5,576	6,389	2,302	4,087
1952.....	48,825	20,164	898	2,634	16,632	28,660	4,248	10,004	2,687	7,317	2,069	5,730	6,609	2,420	4,188
1953.....	50,232	21,038	866	2,623	17,549	29,195	4,290	10,247	2,727	7,520	2,146	5,867	6,645	2,305	4,340
1954.....	49,022	19,717	791	2,612	16,314	29,306	4,084	10,235	2,739	7,496	2,234	6,002	6,751	2,188	4,563
1955.....	50,675	20,476	792	2,802	16,882	30,199	4,141	10,535	2,796	7,740	2,335	6,274	6,914	2,187	4,727
1956.....	52,408	21,064	822	2,999	17,243	31,344	4,244	10,858	2,884	7,974	2,429	6,536	7,277	2,209	5,069
1957.....	52,894	20,925	828	2,923	17,174	31,969	4,241	10,886	2,893	7,992	2,477	6,749	7,616	2,217	5,399
1958.....	51,363	19,474	751	2,778	15,945	31,890	3,976	10,750	2,848	7,902	2,519	6,806	7,839	2,191	5,648
1959.....	53,313	20,367	732	2,960	16,675	32,945	4,011	11,127	2,946	8,182	2,594	7,130	8,083	2,233	5,850
1960.....	54,234	20,393	712	2,885	16,796	33,840	4,004	11,391	3,004	8,388	2,669	7,423	8,353	2,270	6,083
1961.....	54,042	19,814	672	2,816	16,326	34,229	3,903	11,337	2,993	8,344	2,731	7,664	8,594	2,279	6,315
1962.....	55,596	20,405	650	2,902	16,853	35,190	3,906	11,566	3,056	8,511	2,800	8,028	8,890	2,340	6,550
1963.....	56,702	20,593	635	2,963	16,995	36,108	3,903	11,778	3,104	8,675	2,877	8,325	9,225	2,358	6,868
1964.....	58,331	20,958	634	3,050	17,274	37,373	3,951	12,160	3,189	8,971	2,957	8,709	9,596	2,348	7,248
1965.....	60,815	21,880	632	3,186	18,062	38,936	4,036	12,716	3,312	9,404	3,023	9,087	10,074	2,378	7,696
1966.....	63,955	23,116	627	3,275	19,214	40,839	4,151	13,245	3,437	9,808	3,100	9,551	10,792	2,564	8,227
1967.....	65,857	23,268	613	3,208	19,447	42,589	4,261	13,606	3,525	10,081	3,225	10,099	11,398	2,719	8,679
1968.....	67,951	23,693	606	3,306	19,781	44,258	4,311	14,099	3,611	10,488	3,381	10,622	11,845	2,737	9,109
1969.....	70,442	24,311	619	3,525	20,167	46,130	4,435	14,704	3,733	10,971	3,562	11,228	12,202	2,758	9,444
1970.....	70,920	23,507	623	3,536	19,349	47,412	4,504	15,040	3,816	11,225	3,687	11,621	12,561	2,731	9,830
1971.....	71,222	22,820	609	3,639	18,572	48,401	4,457	15,352	3,823	11,529	3,802	11,903	12,887	2,696	10,192
1972.....	73,714	23,546	625	3,831	19,090	50,167	4,517	15,975	3,943	12,032	3,943	12,392	13,340	2,684	10,656
1973.....	76,896	24,727	644	4,015	20,068	52,169	4,644	16,674	4,107	12,568	4,091	13,021	13,739	2,663	11,075
1974.....	78,413	24,697	694	3,957	20,046	53,715	4,696	17,017	4,223	12,794	4,208	13,617	14,177	2,724	11,453
1975.....	77,051	22,603	745	3,512	18,347	54,448	4,498	17,000	4,177	12,824	4,223	14,006	14,720	2,748	11,973
1976.....	79,443	23,332	783	3,594	18,956	56,111	4,509	17,694	4,263	13,431	4,316	14,644	14,948	2,733	12,215
1977 ^p	82,140	24,232	831	3,845	19,555	57,909	4,590	18,281	4,389	13,892	4,509	15,334	15,195	2,727	12,468
1976: Dec....	81,099	23,480	805	3,547	19,128	57,619	4,553	18,559	4,326	14,233	4,385	14,861	15,261	2,725	1,2536
1977: Jan....	79,473	23,005	806	3,198	19,001	56,468	4,499	17,791	4,297	13,494	4,379	14,740	15,059	2,697	12,362
Feb....	79,734	23,063	807	3,251	19,005	56,671	4,494	17,653	4,291	13,362	4,391	14,887	15,246	2,705	12,541
Mar....	80,547	23,461	827	3,451	19,183	57,086	4,522	17,799	4,310	13,489	4,422	15,028	15,315	2,714	12,601
Apr....	81,332	23,846	838	3,681	19,327	57,486	4,538	18,026	4,332	13,694	4,450	15,182	15,290	2,716	12,574
May....	82,029	24,167	844	3,853	19,470	57,862	4,577	18,176	4,353	13,823	4,476	15,288	15,345	2,728	12,617
June....	82,930	24,679	870	4,047	19,762	58,251	4,629	18,342	4,409	13,933	4,534	15,458	15,288	2,765	12,523
July....	82,167	24,551	848	4,148	19,555	57,616	4,604	18,306	4,420	13,886	4,565	15,541	14,600	2,773	11,827
Aug....	82,397	24,800	833	4,204	19,763	57,597	4,604	18,352	4,429	13,923	4,578	15,587	14,476	2,757	11,719
Sept....	83,146	24,960	862	4,157	19,941	58,186	4,653	18,463	4,428	14,035	4,554	15,513	15,003	2,717	12,286
Oct....	83,672	24,907	863	4,161	19,883	58,765	4,638	18,533	4,450	14,083	4,567	15,580	15,447	2,714	12,733
Nov ^p	84,070	24,839	865	4,092	19,882	59,231	4,653	18,770	4,470	14,300	4,586	15,601	15,621	2,716	12,905
Dec....	84,186	24,500	709	3,901	19,890	59,686	4,665	19,165	4,478	14,687	4,604	15,598	15,654	2,726	12,928

p = preliminary.

NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls, by industry

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P
-	TOTAL	80,943	81,099	83,672	84,070	84,186	-	-	-	-	-
-	PRIVATE SECTOR	65,675	65,838	68,225	68,449	68,532	54,090	54,219	55,992	56,207	56,261
-	MINING	807	805	863	865	709	614	611	649	651	517
10	METAL MINING	95.3	94.4	81.1	81.5	-	74.0	72.7	59.1	59.8	-
101	Iron ores	25.5	25.2	10.5	9.9	-	20.6	20.2	5.4	5.3	-
102	Copper ores	36.9	36.0	35.6	36.1	-	28.5	27.5	27.7	28.1	-
11,12	COAL MINING	222.4	223.3	240.4	241.7	-	190.0	190.7	200.5	202.3	-
12	Bituminous coal and lignite mining	218.5	219.4	236.3	237.7	-	186.6	187.3	196.9	198.7	-
13	OIL AND GAS EXTRACTION	373.0	375.4	417.8	419.4	-	257.6	258.9	291.4	292.0	-
131,2	Crude petroleum and natural gas fields	166.5	167.5	177.9	178.9	-	82.6	83.4	88.6	88.8	-
138	Oil and gas field services	206.5	207.9	239.9	240.5	-	175.0	175.5	202.8	203.2	-
14	NONMETALLIC MINERALS, EXCEPT FUELS	116.7	112.3	123.5	122.2	-	92.6	88.5	98.2	97.2	-
142	Crushed and broken stone	41.2	38.9	43.7	43.1	-	34.1	31.8	36.5	35.9	-
144	Sand and gravel	36.4	33.7	38.7	38.2	-	-	-	-	-	-
-	CONTRACT CONSTRUCTION	3,742	3,547	4,161	4,092	3,901	3,003	2,797	3,359	3,296	3,101
15	GENERAL BUILDING CONTRACTORS	1,125.3	1,071.9	1,227.3	1,215.3	-	890.4	833.9	973.2	963.1	-
16	HEAVY CONSTRUCTION CONTRACTORS	753.4	663.2	877.4	834.5	-	622.8	527.8	735.8	698.1	-
161	Highway and street construction	323.2	261.9	404.9	374.3	-	277.7	211.1	346.3	317.0	-
162	Heavy construction, nec	430.2	401.3	472.5	460.2	-	345.1	316.7	389.5	381.1	-
17	SPECIAL TRADE CONTRACTORS	1,863.7	1,811.9	2,056.7	2,042.4	-	1,489.5	1,435.7	1,649.7	1,634.3	-
171	Plumbing, heating, air conditioning	437.4	432.6	475.8	475.1	-	333.4	327.5	362.4	360.9	-
172	Painting, paper hanging, decorating	138.6	132.8	159.3	156.0	-	117.7	111.6	134.1	131.4	-
173	Electrical work	327.7	327.0	346.2	344.8	-	257.4	255.9	272.3	271.0	-
174	Masonry, stonework, and plastering	202.6	195.0	235.7	235.6	-	177.0	169.0	205.4	204.5	-
176	Roofing and sheet metal work	138.1	132.8	155.7	155.3	-	113.9	108.1	127.5	127.3	-
-	MANUFACTURING	19,232	19,128	19,883	19,882	19,890	13,839	13,730	14,343	14,345	14,329
19,24,25,32-39	DURABLE GOODS	11,218	11,189	11,693	11,721	11,769	8,201	7,989	8,400	8,432	8,462
20-23,26-31	NONDURABLE GOODS	8,014	7,939	8,190	8,161	8,121	5,818	5,741	5,943	5,913	5,867
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	156.3	157.1	149.9	151.2	153.3	70.2	70.7	68.4	69.3	70.3
192	Ammunition, except for small arms	102.3	102.9	93.9	94.8	96.2	36.2	36.8	33.3	33.7	34.2
1925	Complete guided missiles	84.5	84.9	75.6	76.2	-	23.2	23.6	20.2	20.3	-
1929	Ammunition, exc. for small arms, nec	17.8	18.0	18.3	18.6	-	13.0	13.2	13.1	13.4	-
24	LUMBER AND WOOD PRODUCTS	617.0	614.2	662.2	659.0	651.7	519.3	516.4	565.3	563.0	555.3
241	Logging camps and logging contractors	76.3	75.4	76.4	74.6	69.8	-	-	-	-	-
242	Sawmills and planing mills	211.6	211.3	219.0	218.7	217.5	188.1	187.4	195.3	195.5	194.1
2421	Sawmills and planing mills, general	179.8	179.5	185.5	185.4	-	159.8	159.1	165.6	165.9	-
243	Millwork, plywood and related products	210.0	208.5	239.8	239.0	237.6	173.9	172.4	200.4	199.5	197.8
2431	Millwork	94.3	94.0	109.6	109.3	-	77.0	76.7	90.6	90.2	-
2432	Veneer and plywood	75.8	75.3	79.4	80.0	-	67.6	67.1	70.5	71.0	-
244	Wooden containers	21.5	21.4	21.3	20.9	21.1	19.0	18.8	18.7	18.4	18.6
2441,2	Wooden boxes, shooks, and crates	17.3	17.2	17.0	16.6	-	15.3	15.2	15.1	14.7	-
249	Miscellaneous wood products	97.6	97.6	105.7	105.8	105.7	78.8	79.0	88.5	88.8	88.6

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P
	DURABLE GOODS—Continued										
25	FURNITURE AND FIXTURES	498.1	495.9	524.8	527.8	530.6	410.4	408.0	432.3	435.5	437.1
251	Household furniture	360.9	358.7	380.1	382.2	383.5	306.5	304.6	321.8	323.9	324.7
2511	Wood household furniture	186.2	184.2	195.9	196.5	—	163.6	162.3	171.4	172.1	—
2512	Upholstered household furniture	105.3	105.3	110.8	111.8	—	87.5	87.5	91.6	92.5	—
2515	Mattresses and bedspings	33.3	32.7	34.3	34.4	—	25.7	25.0	26.8	27.0	—
252	Office furniture	40.5	40.6	42.5	43.3	—	32.9	32.8	34.4	35.4	—
254	Partitions and fixtures	52.6	51.9	56.4	56.1	—	39.2	38.4	42.4	42.1	—
253,9	Other furniture and fixtures	44.1	44.7	45.8	46.2	46.5	31.8	32.2	33.7	34.1	34.2
32	STONE, CLAY, AND GLASS PRODUCTS	640.9	623.7	669.3	672.1	662.4	511.4	494.6	534.0	536.3	527.0
321	Flat glass	16.7	16.6	16.8	16.9	—	13.5	13.4	13.7	13.8	—
322	Glass and glassware, pressed or blown	134.6	131.0	134.9	138.5	137.2	116.3	113.3	116.4	119.8	118.5
3221	Glass containers	78.7	76.9	76.7	80.0	—	69.5	68.4	68.0	71.2	—
3229	Pressed and blown glass, nec	55.9	54.1	58.2	58.5	—	41.8	44.9	48.4	48.6	—
324	Cement, hydraulic	29.9	29.4	30.1	30.3	30.3	23.7	23.1	24.0	24.1	24.2
325	Structural clay products	48.6	47.5	52.2	51.8	51.8	38.8	37.7	42.1	41.5	41.5
3251	Brick and structural clay tile	21.5	20.5	23.9	23.8	—	17.7	16.8	20.0	19.8	—
326	Pottery and related products	44.2	40.9	42.1	42.4	—	37.6	34.4	35.6	36.0	—
327	Concrete, gypsum, and plaster products	194.6	185.9	212.1	210.1	203.2	151.1	143.4	166.0	164.5	158.4
328,9	Other stone and nonmetallic mineral products	134.3	134.4	139.7	140.2	138.8	101.6	101.1	105.7	106.0	104.5
3291	Abrasive products	24.6	24.5	24.8	24.9	—	17.5	17.2	17.5	17.4	—
33	PRIMARY METAL INDUSTRIES	1,182.8	1,182.3	1,206.8	1,200.9	1,209.3	924.6	924.3	945.7	940.6	950.8
331	Blast furnace and basic steel products	532.2	531.6	536.1	528.3	(*)	412.5	412.0	417.4	410.7	(*)
3312	Blast furnaces and steel mills	459.7	459.1	464.2	457.1	—	358.0	357.4	362.7	356.6	—
332	Iron and steel foundries	215.9	216.6	224.6	223.8	225.0	176.9	177.6	184.6	183.7	185.2
3321	Gray iron foundries	138.7	139.3	145.0	145.4	—	115.5	116.1	120.8	121.3	—
3322	Malleable iron foundries	20.1	20.1	21.0	19.6	—	16.2	16.1	17.3	15.8	—
3323	Steel foundries	57.1	57.2	58.6	58.8	—	45.2	45.4	46.5	46.6	—
333,4	Nonferrous metals	85.6	85.5	86.8	87.4	87.1	65.5	65.3	66.5	67.2	66.8
3334	Primary aluminum	34.6	34.7	35.0	35.4	—	28.0	28.1	28.1	28.7	—
336	Nonferrous rolling and drawing	195.8	195.8	197.3	197.7	198.3	145.4	145.3	144.9	145.0	148.0
3361	Copper rolling and drawing	35.9	35.9	34.6	34.5	—	27.0	27.2	26.6	26.5	—
3362	Aluminum rolling and drawing	62.3	61.9	64.5	64.7	—	45.3	45.0	46.4	46.3	—
3367	Nonferrous wire drawing and insulating	78.0	78.2	77.9	78.1	—	58.9	58.9	57.9	58.3	—
336	Nonferrous foundries	80.7	80.2	86.9	87.7	88.1	66.8	66.5	72.4	73.2	73.6
3361	Aluminum castings	44.5	44.4	48.9	49.5	—	37.4	37.4	41.3	41.7	—
3362,9	Other nonferrous castings	36.2	35.8	38.0	38.2	—	29.4	29.1	31.1	31.5	—
339	Miscellaneous primary metal products	72.6	72.6	75.1	76.0	76.7	57.5	57.6	59.9	60.8	61.0
3391	Iron and steel forgings	46.8	46.8	48.1	48.6	—	37.3	37.4	38.7	39.2	—
34	FABRICATED METAL PRODUCTS	1,411.4	1,409.4	1,490.7	1,495.0	1,499.0	1,065.9	1,064.7	1,133.9	1,138.9	1,141.2
341	Metal cans	60.3	59.7	61.0	60.1	(*)	51.7	50.9	51.7	50.7	(*)
342	Cutlery, hand tools, and hardware	172.8	172.8	182.0	183.4	184.1	134.0	135.2	142.9	144.5	145.4
3421,3,5	Cutlery and hand tools, including saws	71.6	72.0	72.3	72.9	—	54.5	55.9	55.9	56.6	—
3429	Hardware, nec	101.2	100.8	109.7	110.5	—	79.5	79.3	87.0	87.9	—
343	Plumbing and heating, except electric	71.4	71.2	77.2	78.0	78.3	52.9	52.7	57.5	58.4	58.4
3431,2	Sanitary ware and plumbers' brass goods	31.9	31.3	34.1	34.3	—	24.3	23.8	26.3	26.5	—
3433	Heating equipment, except electric	39.5	39.9	43.1	43.7	—	28.6	28.9	31.2	31.9	—
344	Fabricated structural metal products	455.6	453.3	485.7	484.8	485.3	316.6	314.3	342.6	342.0	341.9
3441	Fabricated structural steel	98.4	97.7	99.2	98.2	—	69.3	68.8	70.5	69.9	—
3442	Metal doors, sash, and trim	73.1	71.3	85.0	84.1	—	54.2	52.5	65.1	64.1	—
3443	Fabricated plate work (boiler shops)	137.8	138.1	139.0	139.8	—	89.1	89.2	89.8	90.8	—
3444	Sheet metal work	88.3	88.6	98.4	98.9	—	64.0	64.3	72.5	72.6	—
3446,9	Architectural and miscellaneous metal work	58.0	57.6	64.1	63.8	—	40.0	39.5	44.7	44.6	—
346	Screw machine products, bolts, etc	101.2	102.2	107.7	109.1	109.9	78.8	79.5	84.9	86.1	86.4
3451	Screw machine products	47.9	48.7	52.6	53.2	—	39.4	40.1	43.4	44.0	—
3452	Bolts, nuts, rivets, and washers	53.3	53.5	55.1	55.9	—	39.4	39.4	41.5	42.1	—
346	Metal stampings	230.1	230.5	242.1	243.1	244.6	187.3	188.2	198.5	200.2	201.4
347	Metal services, nec	92.7	91.7	97.7	98.8	98.8	76.0	74.9	80.3	81.3	81.0
348	Miscellaneous fabricated wire products	59.2	58.9	61.4	61.5	62.0	46.6	46.1	48.4	48.6	49.0
349	Miscellaneous fabricated metal products	168.1	169.1	175.9	176.2	177.1	122.0	122.9	127.1	127.1	128.1
3494,8	Valves, pipe, and pipe fittings	110.1	110.8	115.9	116.4	—	75.8	76.3	79.5	79.8	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 P	Dec. 1977 P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 P	Dec. 1977 P
DURABLE GOODS—Continued											
35	MACHINERY, EXCEPT ELECTRICAL	2, 110. 6	2, 122. 1	2, 225. 1	2, 245. 1	2, 267. 7	1, 363. 4	1, 373. 2	1, 450. 5	1, 468. 3	1, 483. 4
351	Engines and turbines	113. 7	114. 6	118. 4	114. 8	(*)	73. 5	74. 0	76. 1	73. 7	(*)
3511	Steam engines and turbines	43. 0	43. 4	42. 6	42. 6	—	22. 9	23. 0	22. 4	22. 3	—
3519	Internal combustion engines, nec	70. 7	71. 2	75. 8	72. 2	—	50. 6	51. 0	53. 7	51. 4	—
352	Farm machinery	147. 0	146. 5	145. 7	144. 1	—	103. 0	102. 2	100. 0	98. 6	—
353	Construction and related machinery	335. 5	336. 4	356. 4	362. 2	365. 4	214. 6	216. 0	234. 2	239. 5	241. 3
3531,2	Construction and mining machinery	173. 2	173. 9	182. 3	185. 3	—	109. 5	110. 8	119. 5	122. 2	—
3533	Oil field machinery	69. 9	70. 3	74. 3	76. 1	—	49. 2	49. 3	51. 9	53. 6	—
3535,6	Conveyors, hoists, cranes, monorails	49. 0	48. 4	51. 5	51. 8	—	29. 4	28. 6	31. 4	31. 6	—
3537	Industrial trucks and tractors	31. 6	31. 9	35. 9	36. 5	—	20. 6	21. 1	24. 5	25. 0	—
354	Metal working machinery	317. 8	320. 9	333. 7	338. 1	(*)	232. 7	235. 2	245. 5	249. 8	(*)
3541	Machine tools, metal cutting types	61. 8	62. 4	63. 4	64. 2	—	40. 3	40. 2	41. 6	42. 6	—
3544	Special dies, tools, jigs, and fixtures	126. 0	127. 8	135. 7	138. 2	—	101. 4	103. 0	109. 4	111. 8	—
3545	Machine tool accessories	55. 8	56. 1	59. 0	59. 3	—	39. 8	40. 1	42. 0	42. 2	—
3542,8	Miscellaneous metal working machinery	74. 2	74. 6	75. 6	76. 4	—	51. 2	51. 9	52. 5	53. 2	—
355	Special industry machinery	178. 2	178. 3	180. 1	181. 8	182. 5	113. 4	113. 5	114. 9	116. 2	116. 7
3551	Food products machinery	41. 5	41. 6	42. 7	42. 8	—	26. 7	26. 8	27. 3	27. 3	—
3552	Textile machinery	31. 2	31. 1	29. 8	30. 5	—	22. 4	22. 5	21. 5	22. 1	—
3555	Printing trades machinery	25. 5	25. 4	27. 4	27. 9	—	14. 7	14. 8	16. 5	16. 7	—
356	General industrial machinery	290. 9	292. 1	302. 1	304. 2	(*)	189. 9	191. 6	198. 2	200. 0	(*)
3561	Pumps and compressors	83. 2	83. 5	86. 9	87. 2	—	49. 8	49. 9	52. 5	52. 7	—
3562	Ball and roller bearings	54. 9	54. 9	58. 1	58. 9	—	42. 2	42. 2	43. 3	44. 2	—
3564	Blowers and fans	35. 2	35. 1	35. 5	35. 8	—	22. 1	22. 2	23. 0	23. 2	—
3566	Power transmission equipment	45. 6	46. 3	48. 5	48. 9	—	31. 7	32. 5	34. 4	34. 7	—
357	Office and computing machines	303. 5	306. 0	332. 3	336. 3	337. 6	122. 9	124. 3	140. 3	142. 7	143. 6
3573	Electronic computing equipment	229. 0	231. 7	258. 8	262. 2	—	79. 4	80. 7	98. 0	99. 0	—
358	Service industry machines	165. 7	167. 5	175. 6	179. 5	182. 3	115. 4	116. 7	124. 4	127. 7	128. 5
3585	Refrigeration machinery	115. 7	116. 8	121. 8	125. 2	—	82. 6	83. 6	87. 6	90. 5	—
359	Miscellaneous machinery, except electrical ..	258. 1	259. 8	280. 8	284. 1	286. 4	198. 0	199. 7	216. 9	220. 1	221. 8
36	ELECTRICAL EQUIPMENT AND SUPPLIES ..	1, 878. 6	1, 876. 2	1, 981. 0	1, 996. 5	2, 006. 8	1, 248. 9	1, 245. 7	1, 322. 5	1, 335. 8	1, 342. 1
361	Electric test and distributing equipment	195. 2	196. 5	210. 0	210. 8	213. 2	131. 2	132. 3	142. 6	143. 3	145. 0
3611	Electric measuring instruments	72. 1	72. 2	79. 8	80. 2	—	43. 5	43. 8	48. 3	48. 5	—
3612	Transformers	46. 9	48. 2	51. 3	51. 6	—	33. 4	34. 3	37. 5	37. 9	—
3613	Switchgear and switchboard apparatus ..	76. 2	76. 1	78. 9	79. 0	—	54. 3	54. 2	56. 8	56. 9	—
362	Electrical industrial apparatus	216. 9	218. 8	226. 4	227. 9	230. 2	154. 6	156. 5	161. 6	162. 7	164. 3
3621	Motors and generators	106. 2	106. 9	110. 1	110. 8	—	79. 1	80. 0	83. 4	84. 0	—
3622	Industrial controls	68. 8	69. 8	73. 0	73. 5	—	45. 6	46. 2	47. 4	47. 6	—
363	Household appliances	167. 2	165. 8	182. 9	185. 2	184. 4	129. 7	128. 7	144. 5	146. 7	146. 0
3632	Household refrigerators and freezers	33. 4	34. 0	36. 7	37. 7	—	24. 6	25. 2	28. 4	29. 3	—
3633	Household laundry equipment	24. 4	24. 2	25. 6	26. 1	—	19. 4	19. 0	19. 8	20. 3	—
3634	Electric housewares and fans	51. 6	50. 3	58. 9	59. 3	—	40. 8	39. 9	47. 6	47. 9	—
364	Electric lighting and wiring equipment	201. 1	201. 1	211. 2	213. 3	214. 4	154. 5	154. 3	162. 4	164. 0	164. 6
3641	Electric lamps	37. 5	37. 8	38. 0	38. 3	—	33. 2	33. 5	33. 7	34. 1	—
3642	Lighting fixtures	65. 7	65. 3	69. 1	69. 7	—	51. 3	50. 6	53. 6	54. 0	—
3643,4	Wiring devices	97. 9	98. 0	104. 1	105. 3	—	70. 0	70. 2	75. 1	75. 9	—
365	Radio and TV receiving equipment	133. 3	129. 5	140. 6	140. 8	139. 5	97. 5	94. 2	103. 6	104. 5	104. 1
366	Communication equipment	426. 2	428. 0	447. 5	452. 4	(*)	213. 3	214. 0	225. 0	228. 2	(*)
3661	Telephone and telegraph apparatus	138. 0	138. 8	149. 2	149. 9	—	92. 5	92. 9	101. 7	102. 8	—
3662	Radio and TV communication equipment	288. 2	289. 2	298. 3	302. 5	—	120. 8	121. 1	123. 3	125. 4	—
367	Electronic components and accessories	386. 0	384. 0	399. 4	400. 7	403. 3	249. 3	246. 7	256. 3	257. 6	259. 7
3671-3	Electron tubes	42. 8	41. 7	43. 1	43. 5	—	27. 8	27. 0	27. 9	28. 2	—
3674,9	Other electronic components	343. 2	342. 3	356. 3	357. 2	—	221. 5	219. 7	228. 4	229. 4	—
369	Miscellaneous electrical equipment	152. 7	152. 5	163. 0	165. 4	166. 8	118. 8	119. 0	126. 5	128. 8	129. 3
3694	Engine electrical equipment	79. 9	80. 3	83. 8	84. 9	—	63. 9	64. 4	67. 4	68. 4	—
37	TRANSPORTATION EQUIPMENT	1, 776. 9	1, 778. 6	1, 820. 6	1, 812. 6	1, 835. 1	1, 253. 4	1, 263. 3	1, 292. 3	1, 289. 6	1, 310. 2
371	Motor vehicles and equipment	887. 0	891. 0	929. 3	924. 6	(*)	694. 7	697. 4	727. 6	725. 2	(*)
3711	Motor vehicles	372. 9	375. 0	387. 7	380. 2	—	281. 1	282. 5	291. 9	286. 1	—
3712	Passenger car bodies	49. 2	49. 3	46. 9	46. 9	—	39. 0	39. 2	35. 8	36. 1	—
3713	Truck and bus bodies	39. 8	39. 6	44. 9	44. 5	—	30. 3	30. 2	35. 8	35. 4	—
3714	Motor vehicle parts and accessories	401. 6	403. 5	422. 9	426. 1	—	326. 4	327. 5	343. 3	346. 9	—
3715	Truck trailers	23. 5	23. 6	26. 9	26. 9	—	17. 9	18. 0	20. 8	20. 7	—
372	Aircraft and parts	483. 5	484. 5	458. 8	458. 0	(*)	248. 3	248. 4	223. 7	224. 2	(*)
3721	Aircraft	261. 3	262. 0	230. 0	226. 2	—	123. 0	123. 1	94. 1	92. 1	—
3722	Aircraft engines and engine parts	131. 9	131. 9	134. 8	137. 0	—	71. 1	71. 2	72. 5	74. 7	—
3723,9	Other aircraft parts and equipment	90. 3	90. 6	94. 0	94. 8	—	54. 2	54. 1	57. 1	57. 4	—
373	Ship and boat building and repairing	220. 6	221. 3	229. 7	230. 7	(*)	175. 4	176. 8	180. 9	183. 7	(*)
3731	Ship building and repairing	171. 8	172. 0	181. 3	182. 4	—	135. 5	136. 4	141. 6	144. 4	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 P	Dec. 1977 P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 P	Dec. 1977 P
	DURABLE GOODS—Continued										
	TRANSPORTATION EQUIPMENT—Continued										
3732	Boat building and repairing	48.8	49.3	48.4	48.3	—	39.9	40.4	39.3	39.3	—
374	Railroad equipment	44.5	45.5	41.4	41.1	—	32.7	33.7	30.0	29.7	—
375,9	Other transportation equipment	141.3	136.3	161.4	158.2	—	112.3	107.0	130.1	126.8	—
38	INSTRUMENTS AND RELATED PRODUCTS	517.4	518.7	532.2	534.7	536.6	315.6	316.9	326.3	328.2	328.7
381	Engineering and scientific instruments	58.6	58.6	60.0	60.7	—	27.9	28.0	28.3	28.7	—
382	Mechanical measuring and control devices	119.3	119.5	124.9	126.6	127.2	76.0	76.3	81.1	82.6	83.1
3821	Mechanical measuring devices	78.4	78.7	82.7	84.0	—	47.1	47.5	51.1	52.2	—
3822	Automatic temperature controls	40.9	40.8	42.2	42.6	—	28.9	28.8	30.0	30.4	—
383,5	Optical and ophthalmic goods	66.2	66.9	71.3	71.0	70.5	45.1	45.6	48.3	48.0	47.7
385	Ophthalmic goods	42.5	42.6	45.7	45.3	—	31.0	31.3	33.5	33.2	—
384	Medical instruments and supplies	111.5	112.1	116.9	118.1	119.3	74.7	75.2	78.4	79.5	80.5
386	Photographic equipment and supplies	131.4	131.0	129.2	129.3	129.3	67.8	67.7	66.8	67.0	66.4
387	Watches, clocks, and watchcases	30.4	30.6	29.9	29.0	—	24.1	24.1	23.4	22.4	—
	MISCELLANEOUS MANUFACTURING INDUSTRIES										
39	Jewelry, silverware, and plated ware	427.9	410.6	430.1	426.4	416.2	327.8	311.4	329.0	326.4	315.8
391	Jewelry, silverware, and plated ware	56.2	55.4	57.8	58.6	57.3	41.6	41.1	42.7	43.3	42.0
394	Toys and sporting goods	124.9	111.2	122.5	117.3	—	97.2	84.2	94.1	89.5	—
3941-3	Games, toys, dolls, and play vehicles	68.6	55.7	68.1	62.6	—	51.9	39.7	51.5	46.4	—
3949	Sporting and athletic goods, nec	56.3	55.5	54.4	54.7	—	45.3	44.5	42.6	43.1	—
395	Pens, pencils, office, and art supplies	33.9	33.5	34.7	34.4	—	23.9	23.7	25.1	25.1	—
396	Costume jewelry and notions	52.9	52.7	51.1	52.7	—	42.9	42.5	41.4	42.9	—
393,9	Other manufacturing industries	160.0	157.8	164.0	163.4	(*)	122.2	119.9	125.7	125.6	(*)
393	Musical instruments and parts	23.7	23.7	23.9	24.1	—	19.3	19.3	19.2	19.5	—
	NONDURABLE GOODS										
20	FOOD AND KINDRED PRODUCTS	1,733.5	1,694.3	1,763.4	1,720.8	1,690.6	1,184.4	1,144.8	1,207.6	1,168.3	1,136.6
201	Meat products	363.5	362.0	366.8	366.9	367.6	300.2	298.5	303.4	303.6	303.2
2011	Meat packing plants	175.5	174.7	171.4	171.7	—	141.6	140.8	137.5	138.0	—
2013	Sausages and other prepared meats	67.7	68.1	68.9	68.6	—	48.3	48.9	50.5	50.3	—
2015	Poultry dressing plants	120.3	119.2	126.5	126.6	—	110.3	108.8	115.4	115.3	—
202	Dairy products	191.0	190.6	192.9	191.6	191.0	98.7	97.9	99.9	99.1	98.5
2024	Ice cream and frozen desserts	20.8	20.8	22.1	21.5	—	10.9	10.5	12.2	11.6	—
2026	Fluid milk	123.9	123.7	124.8	124.4	—	52.9	52.9	53.2	53.2	—
203	Canned, cured, and frozen foods	291.7	259.2	304.3	273.0	—	241.4	208.8	252.6	222.3	—
2031,6	Canned, cured, and frozen sea foods	46.0	43.2	43.2	42.4	—	40.2	37.4	38.1	37.1	—
2032,3	Canned food, except sea foods	125.9	108.3	147.0	122.8	—	100.3	82.3	119.0	95.7	—
2037	Frozen fruits and vegetables	72.8	64.5	65.2	63.6	—	64.0	55.8	56.9	55.4	—
204	Grain mill products	146.5	147.4	148.0	147.3	(*)	101.7	102.1	103.5	102.7	(*)
2041	Flour and other grain mill products	27.3	27.5	28.6	29.0	—	19.6	19.5	19.6	20.1	—
2042	Prepared feeds for animals and fowls	75.3	75.8	73.7	73.4	—	49.0	49.4	49.2	48.6	—
205	Bakery products	242.9	242.6	242.1	241.1	240.5	140.9	140.6	141.3	140.4	139.9
2051	Bread, cake, and related products	201.5	201.2	202.4	202.4	—	107.8	107.6	109.4	109.4	—
2052	Cookies and crackers	41.4	41.4	39.7	38.7	—	33.1	33.0	31.9	31.0	—
206	Sugar	42.8	40.3	37.7	32.4	—	34.6	32.5	30.1	25.6	—
207	Confectionery and related products	80.9	80.7	82.8	82.1	(*)	62.3	62.3	65.1	64.7	(*)
2071	Confectionery products	60.1	59.8	61.2	60.6	—	47.4	47.4	49.7	49.4	—
208	Beverages	226.5	224.7	237.6	234.9	(*)	108.8	107.0	113.8	111.7	(*)
2082	Malt liquors	49.3	48.4	51.1	50.3	—	35.2	34.5	36.1	35.2	—
2086	Bottled and canned soft drinks	131.8	132.2	138.8	137.8	—	47.2	47.3	50.3	49.4	—
209	Miscellaneous foods and kindred products	147.7	146.8	151.2	151.5	150.0	95.8	95.1	97.9	98.2	96.9
21	TOBACCO MANUFACTURES	81.8	79.4	75.0	72.9	71.4	68.7	66.5	61.5	58.9	57.4
211	Cigarettes	45.0	45.3	44.3	44.3	—	36.8	37.2	34.6	34.5	—
212	Cigars	10.1	10.0	9.7	9.7	—	8.7	8.6	8.5	8.4	—
22	TEXTILE MILL PRODUCTS	964.6	962.8	991.2	996.0	995.3	839.6	838.5	863.8	868.7	867.3
221	Weaving mills, cotton	175.3	175.1	169.6	170.2	171.3	159.1	158.8	152.6	153.4	154.4
222	Weaving mills, synthetics	123.0	123.5	119.7	120.0	120.1	109.6	110.1	107.1	107.4	107.8
223	Weaving and finishing mills, wool	22.3	22.9	22.0	22.2	22.7	18.6	19.2	18.4	18.6	18.8
224	Narrow fabric mills	25.7	25.4	26.7	27.2	27.3	22.3	22.0	23.4	23.9	23.9
225	Knitting mills	258.5	256.1	270.2	280.5	277.4	221.1	219.5	241.1	242.3	239.2
2251	Women's hosiery, except socks	39.3	39.3	39.0	39.3	—	34.5	34.5	34.5	35.0	—
2252	Hosiery, nec	34.1	34.1	37.1	37.5	—	30.1	30.2	33.6	34.0	—
2253	Knit outerwear mills	78.1	75.5	87.2	86.7	—	66.0	63.9	74.7	74.3	—
2254	Knit underwear mills	39.6	39.6	41.8	42.4	—	34.2	34.3	36.0	36.4	—

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 P	Dec. 1977 P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 P	Dec. 1977 P
NONDURABLE GOODS—Continued											
TEXTILE MILL PRODUCTS—Continued											
226	Textile finishing, except wool	79.7	79.3	80.7	81.6	81.7	67.5	67.2	68.3	69.4	69.5
227	Floor covering mills	60.9	60.6	65.8	66.2	—	48.2	48.0	52.6	53.2	—
228	Yarn and thread mills	152.1	152.8	159.3	159.6	160.4	139.2	139.7	145.3	145.4	146.0
229	Miscellaneous textile goods	67.1	67.1	68.2	68.5	68.8	54.0	54.0	55.0	55.1	55.2
23	APPAREL AND OTHER TEXTILE PRODUCTS	1,293.6	1,266.9	1,305.5	1,308.0	1,289.4	1,109.6	1,085.0	1,118.8	1,122.0	1,105.2
231	Men's and boys' suits and coats	89.3	89.4	88.3	88.6	89.3	78.6	78.7	76.7	77.3	77.8
232	Men's and boys' furnishings	380.7	376.5	387.8	386.5	384.3	325.0	320.4	333.7	333.1	330.7
2321	Men's and boys' shirts and nightwear	116.8	114.7	113.5	112.3	—	101.6	99.6	98.1	97.2	—
2327	Men's and boys' separate trousers	84.7	85.0	86.0	86.4	—	73.5	73.7	75.3	75.7	—
2328	Men's and boys' work clothing	94.4	94.7	100.8	100.6	—	77.1	77.4	84.7	84.7	—
233	Women's and misses' outerwear	380.2	367.3	373.6	375.3	363.5	332.1	320.5	324.0	326.0	314.7
2331	Women's and misses' blouses and waists	47.1	46.2	47.8	48.2	—	41.6	40.6	41.8	42.2	—
2335	Women's and misses' dresses	165.7	158.2	159.1	159.0	—	147.2	140.7	141.1	141.0	—
2337	Women's and misses' suits and coats	56.5	52.7	55.0	54.6	—	48.0	44.2	46.1	45.9	—
2339	Women's and misses' outerwear, nec	110.9	110.2	111.7	113.5	—	95.3	95.0	95.0	96.9	—
234	Women's and children's undergarments	102.0	99.2	103.6	103.6	101.8	86.4	84.0	88.1	87.7	86.5
2341	Women's and children's underwear	77.0	74.7	79.3	79.0	—	66.5	64.5	68.5	68.0	—
2342	Corsets and allied garments	25.0	24.5	24.3	24.6	—	19.9	19.5	19.6	19.7	—
235	Hats, caps, and millinery	15.9	16.1	15.8	16.0	—	13.8	14.1	14.0	14.0	—
236	Children's outerwear	75.8	73.3	74.8	74.9	75.1	65.0	62.4	63.5	63.6	63.8
2361	Children's dresses and blouses	30.9	30.5	29.2	29.6	—	27.9	27.4	26.2	26.6	—
237,8	Fur goods and miscellaneous apparel	68.2	66.2	71.1	71.0	—	58.2	56.9	61.0	60.6	—
239	Miscellaneous fabricated textile products	181.5	178.9	190.5	192.1	191.3	150.5	148.0	157.8	159.7	159.7
2391,2	Housefurnishings	78.3	75.9	82.7	84.1	—	65.9	63.8	69.6	71.0	—
26	PAPER AND ALLIED PRODUCTS	685.8	683.9	706.3	708.0	711.4	520.3	516.5	530.9	532.1	533.2
261,2,6	Paper and pulp mills	201.6	199.9	202.4	202.2	203.3	154.0	152.8	154.7	154.5	155.7
263	Paperboard mills	70.8	71.0	70.9	71.3	71.5	56.5	56.0	56.1	56.4	56.6
264	Miscellaneous converted paper products	200.1	200.8	212.1	212.6	213.9	143.8	143.0	149.2	149.3	148.4
2643	Bags, except textile bags	44.1	44.2	46.8	46.8	—	35.4	35.3	37.1	37.2	—
265	Paperboard containers and boxes	213.3	212.2	220.9	221.9	222.7	166.0	164.7	170.9	171.9	172.5
2651,2	Folding and setup paperboard boxes	61.2	60.4	60.4	60.5	—	49.9	49.2	48.5	48.5	—
2653	Corrugated and solid fiber boxes	103.6	103.5	107.4	108.3	—	76.7	76.4	79.1	79.9	—
2654	Sanitary food containers	30.5	30.3	35.2	35.2	—	25.2	24.9	29.3	29.3	—
27	PRINTING AND PUBLISHING	1,093.6	1,097.3	1,120.0	1,123.6	1,133.7	635.3	638.1	644.0	645.0	652.3
271	Newspapers	390.8	390.9	394.7	396.5	398.2	169.2	169.0	163.4	164.2	164.4
272	Periodicals	71.2	71.0	73.5	73.9	—	19.3	19.7	20.2	20.5	—
273	Books	87.5	88.8	87.7	88.3	—	46.0	47.1	45.1	45.6	—
275	Commercial printing	361.6	363.8	372.8	373.3	(*)	271.2	272.6	279.9	278.9	(*)
2751	Commercial printing, except lithographic	205.8	207.0	209.7	209.5	—	156.6	157.1	159.0	158.7	—
2752	Commercial printing, lithographic	145.7	146.6	152.5	153.0	—	107.0	107.7	112.4	111.6	—
278	Blankbooks and bookbinding	50.2	49.6	53.2	52.8	52.8	40.8	40.5	43.5	43.4	43.3
274,6,7,9	Other publishing and printing ind	132.3	133.2	138.1	138.8	139.7	88.8	89.2	91.9	92.4	92.6
28	CHEMICALS AND ALLIED PRODUCTS	1,039.9	1,038.5	1,061.9	1,062.4	1,061.6	591.6	589.6	609.6	609.4	608.8
281	Industrial chemicals	339.4	339.9	349.2	350.1	353.5	181.3	180.9	189.8	190.0	193.0
2812	Alkalies and chlorine	21.4	21.2	21.5	21.5	—	15.9	15.7	15.7	15.7	—
2818	Industrial organic chemicals, nec	140.6	140.8	143.5	143.8	—	63.5	63.5	68.1	68.2	—
2819	Industrial inorganic chemicals, nec	111.4	111.8	116.4	116.8	—	60.0	59.9	63.2	63.1	—
282	Plastics materials and synthetics	203.0	202.4	201.5	201.1	200.6	134.8	134.6	136.1	135.7	135.3
2821	Plastics materials and resins	89.2	89.2	89.7	89.8	—	55.9	55.8	56.2	56.3	—
2823,4	Synthetic fibers	100.7	100.1	98.2	97.6	—	69.0	68.9	69.6	69.0	—
283	Drugs	170.1	170.8	176.4	177.5	177.9	84.6	85.2	86.6	87.7	87.5
2834	Pharmaceutical preparations	135.8	136.4	141.1	142.2	—	65.1	65.6	66.9	67.9	—
284	Soap, cleaners, and toilet goods	126.4	124.7	127.6	126.8	126.1	75.9	74.0	77.9	77.0	77.3
2841	Soap and other detergents	40.8	40.6	41.2	41.4	—	27.4	27.2	27.2	27.2	—
2844	Toilet preparations	52.0	50.3	52.1	50.9	—	30.8	28.9	32.4	31.3	—
285	Paints and allied products	66.6	65.6	70.2	69.7	69.7	35.2	34.2	36.9	36.2	36.3
287	Agricultural chemicals	54.3	54.9	56.1	56.2	57.1	33.1	33.6	34.0	34.3	35.4
2871,2	Fertilizers, complete and mixing only	32.2	32.4	33.4	33.3	—	22.0	22.0	21.8	21.8	—
286,9	Other chemical products	80.1	80.2	80.9	81.0	(*)	46.7	47.1	48.3	48.5	(*)
2892	Explosives	13.5	13.5	13.8	13.8	—	8.4	8.5	9.4	9.5	—
29	PETROLEUM AND COAL PRODUCTS	203.7	202.5	213.2	212.5	211.8	132.2	130.8	141.4	140.7	139.5
291	Petroleum refining	156.9	157.1	161.4	161.5	161.8	97.8	97.9	102.7	102.7	102.8
295,9	Other petroleum and coal products	46.8	45.4	51.8	51.0	50.0	34.4	32.9	38.7	38.0	36.7

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^p	Dec. 1977 ^p	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^p	Dec. 1977 ^p
NONDURABLE GOODS—Continued											
30	RUBBER AND PLASTICS PRODUCTS, NEC...	651.9	650.0	688.2	690.4	692.4	510.4	507.5	539.2	540.7	542.4
301	Tires and inner tubes	119.6	119.8	121.0	120.1	121.0	87.6	87.7	88.9	88.1	88.9
302,3,6	Other rubber products	171.8	172.4	174.8	175.1	177.2	135.0	135.6	136.7	137.6	139.4
302	Rubber footwear	22.7	22.3	19.9	20.0	—	—	19.3	19.0	17.1	—
307	Miscellaneous plastics products	360.5	357.8	392.4	395.2	394.2	287.8	284.2	313.6	315.0	314.1
31	LEATHER AND LEATHER PRODUCTS	265.1	263.3	265.6	266.2	263.6	226.1	223.8	226.4	227.3	224.5
311	Leather tanning and finishing	22.8	22.9	23.1	23.2	23.8	19.4	19.4	19.8	19.9	20.4
314	Footwear, except rubber	163.3	163.0	162.5	163.3	162.6	141.7	141.0	141.4	142.4	141.5
312,3,5-7,9	Other leather products	79.0	77.4	80.0	79.7	77.2	65.0	63.4	65.2	65.0	62.6
316	Luggage	17.6	17.4	18.6	18.5	—	13.8	13.5	14.4	14.4	—
317	Handbags and personal leather goods	37.1	35.8	36.8	36.3	—	30.8	29.6	30.4	29.8	—
—	TRANSPORTATION AND PUBLIC UTILITIES	4,546	4,553	4,638	4,653	4,665	3,884	3,896	3,930	3,945	3,955
40	RAILROAD TRANSPORTATION	533.8	528.6	535.9	534.7	—	—	—	—	—	—
4011	Class I railroads ²	495.9	491.3	498.9	497.9	—	—	—	—	—	—
41	LOCAL AND INTERURBAN PASSENGER TRANSIT	275.7	276.6	261.7	261.5	—	—	—	—	—	—
411	Local and suburban transportation	67.2	67.7	67.6	68.4	—	61.7	61.9	62.0	62.7	—
412	Taxicabs	75.9	76.3	69.0	69.1	—	—	—	—	—	—
413	Intercity highway transportation	39.5	40.1	37.9	37.1	—	35.6	36.5	34.5	33.6	—
42	TRUCKING AND WAREHOUSING	1,111.9	1,117.8	1,160.8	1,162.7	—	990.7	993.5	1,028.6	1,030.6	—
421,3	Trucking and trucking terminals	1,015.6	1,022.6	1,063.8	1,064.7	—	907.0	910.9	944.9	945.7	—
422	Public warehousing	96.3	95.2	97.0	98.0	—	83.7	82.6	83.7	84.9	—
45	TRANSPORTATION BY AIR	372.5	374.0	382.6	383.4	—	—	—	—	—	—
451,2	Air transportation	336.6	338.1	345.2	345.5	—	—	—	—	—	—
46	PIPELINE TRANSPORTATION	16.5	16.5	16.3	16.2	—	12.2	12.0	11.8	11.8	—
44,47	OTHER TRANSPORTATION AND SERVICES	348.3	350.5	361.6	366.7	—	—	—	—	—	—
44	WATER TRANSPORTATION	198.5	200.9	199.4	203.4	—	—	—	—	—	—
47	TRANSPORTATION SERVICES	149.8	149.6	162.2	163.3	—	—	—	—	—	—
48	COMMUNICATION	1,153.1	1,153.1	1,176.0	1,180.5	—	886.7	886.4	893.1	897.4	—
481	Telephone communication	940.3	940.2	956.8	960.3	—	714.6	714.2	717.6	720.3	—
482	Telegraph communication ³	17.2	17.0	18.3	18.2	—	13.1	13.3	14.5	14.6	—
483	Radio and television broadcasting	160.8	160.5	164.1	165.0	—	128.4	127.8	128.7	130.3	—
49	ELECTRIC, GAS, AND SANITARY SERVICES	734.3	735.2	743.5	746.8	—	608.0	608.6	611.4	614.2	—
491	Electric companies and systems	314.6	314.7	321.3	321.9	—	258.8	258.7	262.7	263.3	—
492	Gas companies and systems	157.3	157.5	155.2	157.0	—	129.0	129.2	126.7	128.7	—
493	Combination companies and systems	194.6	194.7	195.2	195.9	—	161.7	161.9	160.5	160.6	—
494-7	Water, steam, and sanitary systems	67.8	68.3	71.8	72.0	—	58.5	58.8	61.5	61.6	—
—	WHOLESALE AND RETAIL TRADE	18,122	18,559	18,533	18,770	19,165	16,042	16,461	16,323	16,548	16,929
50	WHOLESALE TRADE	4,321	4,326	4,450	4,470	4,478	3,581	3,583	3,670	3,687	3,690
501	Motor vehicles and automotive equipment	384.7	385.2	398.3	399.7	—	314.0	313.8	325.5	326.8	—
502	Drugs, chemicals, and allied products	242.1	242.4	251.8	251.2	—	192.4	192.5	199.9	199.8	—
503	Dry goods and apparel	157.7	156.6	161.2	161.3	—	122.8	121.7	124.8	124.7	—
504	Groceries and related products	632.6	631.9	627.6	633.2	—	551.2	549.9	542.5	548.3	—
506	Electrical goods	322.8	323.5	336.4	339.8	—	271.2	271.6	278.6	280.3	—
507	Hardware, plumbing and heating equipment	188.9	189.3	196.9	197.2	—	156.9	157.4	163.8	164.4	—
508	Machinery, equipment, and supplies	894.6	896.1	942.2	948.9	—	739.8	741.3	779.6	785.9	—
509	Miscellaneous wholesalers	1,381.5	1,385.3	1,416.5	1,418.5	—	1,136.6	1,139.0	1,157.5	1,158.2	—
52-59	RETAIL TRADE	13,801	14,233	14,083	14,300	14,687	12,461	12,878	12,653	12,861	13,239
53	Retail General Merchandise	2,658.4	2,898.6	2,579.3	2,717.1	—	2,460.7	2,699.6	2,378.4	2,513.8	—
531	Department stores	1,809.5	1,990.2	1,780.8	1,883.7	—	1,686.0	1,864.1	1,655.9	1,757.9	—
532	Mail order houses	131.9	136.1	121.6	133.4	—	125.1	129.3	116.7	128.3	—
533	Variety stores	327.6	365.3	300.1	310.1	—	308.1	337.2	278.6	287.3	—
54	FOOD STORES	2,103.6	2,136.8	2,137.5	2,156.2	—	1,945.2	1,975.5	1,973.3	1,991.0	—
541-3	Grocery, meat, and vegetable stores	1,913.1	1,941.1	1,939.8	1,955.5	—	1,768.8	1,794.3	1,791.6	1,806.8	—

See footnotes at end of table.

ESTABLISHMENT DATA EMPLOYMENT

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P	Nov. 1976	Dec. 1976	Oct. 1977 ^r	Nov. 1977 ^P	Dec. 1977 ^P
-	WHOLESALE AND RETAIL TRADE—Continued										
56	APPAREL AND ACCESSORY STORES	830.2	910.9	823.9	850.1	-	726.0	805.2	712.8	738.7	-
561	Men's and boys' clothing and furnishings	146.4	165.1	142.6	147.6	-	127.7	146.6	122.3	127.4	-
562	Women's ready-to-wear stores	306.5	334.2	297.6	307.7	-	270.2	297.2	259.4	268.9	-
565	Family clothing stores	133.5	151.0	130.8	136.1	-	120.3	137.7	116.4	121.7	-
566	Shoe stores	166.4	177.6	175.1	179.1	-	139.4	150.1	145.9	150.2	-
57	FURNITURE AND HOME FURNISHINGS STORES	545.5	554.8	559.5	566.4	-	461.3	470.8	470.2	477.4	-
571	Furniture and home furnishings	325.7	329.8	334.4	336.1	-	277.2	281.4	283.1	284.8	-
58	EATING AND DRINKING PLACES	3,686.4	3,677.3	3,939.0	3,919.4	-	3,436.2	3,426.2	3,650.0	3,630.7	-
52,55,59	OTHER RETAIL TRADE	3,976.5	4,054.4	4,044.0	4,090.4	-	3,431.8	3,501.1	3,468.1	3,509.5	-
52	Building materials and farm equipment	636.9	634.5	668.3	670.8	-	546.3	543.0	569.4	571.4	-
55	Automotive dealers and service stations	1,758.4	1,757.1	1,788.0	1,788.5	-	-	-	-	-	-
551,2	Motor vehicle dealers	795.0	795.7	820.1	820.5	-	664.1	663.8	683.1	683.3	-
553,9	Other automotive and accessory dealers	332.9	332.2	345.5	345.6	-	281.1	279.4	292.3	292.3	-
554	Gasoline service stations	630.5	629.2	622.4	622.4	-	-	-	-	-	-
59	Miscellaneous retail stores	1,581.2	1,662.8	1,587.7	1,631.1	-	-	-	-	-	-
591	Drug stores and proprietary stores	483.7	500.5	488.6	495.3	-	430.1	445.9	432.3	438.9	-
594	Book and stationery stores	83.2	86.2	81.1	82.3	-	70.5	73.5	68.8	69.8	-
596	Farm and garden supply stores	139.9	140.4	142.4	142.1	-	-	-	-	-	-
598	Fuel and ice dealers	103.3	107.6	98.1	101.6	-	88.2	92.3	83.1	86.7	-
-	FINANCE, INSURANCE, AND REAL ESTATE⁴	4,368	4,385	4,567	4,586	4,604	3,335	3,347	3,476	3,491	3,503
60	Banking	1,311.9	1,316.0	1,354.0	1,358.6	-	1,034.4	1,036.3	1,054.2	1,057.6	-
61	Credit agencies other than banks	474.3	478.0	511.2	515.9	-	365.3	368.6	394.2	397.7	-
612	Savings and loan associations	192.6	194.7	212.6	214.4	-	155.0	156.5	169.3	170.6	-
614	Personal credit institutions	197.2	198.8	207.5	210.0	-	-	-	-	-	-
62	Security, commodity brokers and services	176.6	177.4	179.8	179.9	-	144.0	144.6	146.0	146.4	-
63	Insurance carriers	1,121.7	1,127.2	1,157.3	1,161.3	-	759.3	762.7	784.6	786.9	-
631	Life insurance	517.2	517.7	518.4	519.2	-	295.8	296.3	293.6	294.0	-
632	Accident and health insurance	122.2	123.2	123.8	123.6	-	99.5	100.5	100.5	100.2	-
633	Fire, marine, and casualty insurance	420.5	422.9	445.7	449.1	-	311.9	313.5	333.3	335.5	-
64	Insurance agents, brokers, and service	347.8	349.5	374.4	377.2	-	-	-	-	-	-
65	Real estate	821.9	822.2	872.1	873.6	-	-	-	-	-	-
655	Subdividers and developers	113.2	109.6	120.2	117.6	-	-	-	-	-	-
656	Operative builders	59.3	58.1	65.5	66.1	-	-	-	-	-	-
66,67	Other finance, insurance, and real estate	114.1	114.9	117.7	119.2	-	-	-	-	-	-
-	SERVICES	14,858	14,861	15,580	15,601	15,598	13,373	13,377	13,912	13,931	13,927
70	Hotels and other lodging places	1,016.3	1,025.9	1,050.8	1,026.0	-	-	-	-	-	-
701	Hotels, tourist courts, and motels	844.2	840.2	863.9	843.9	-	779.9	775.2	797.6	777.6	-
72	Personal services	816.6	814.0	804.9	804.8	-	-	-	-	-	-
721	Laundries and dry cleaning plants	349.7	348.7	348.7	349.0	-	313.0	312.6	312.5	312.5	-
722	Photographic studios	48.6	44.9	43.4	43.3	-	43.9	40.1	39.5	39.3	-
73	Miscellaneous business services	2,179.1	2,189.5	2,318.9	2,326.3	-	-	-	-	-	-
731	Advertising	128.7	128.8	136.8	137.6	-	-	-	-	-	-
732	Credit reporting and collection	84.0	83.8	89.4	88.9	-	-	-	-	-	-
734	Services to buildings	418.1	418.6	436.1	439.2	-	-	-	-	-	-
76	Miscellaneous repair services	225.2	225.1	236.1	235.9	-	-	-	-	-	-
78	Motion pictures	195.1	190.2	206.5	204.3	-	-	-	-	-	-
781	Motion picture filming and distributing	66.1	63.0	73.4	72.6	-	51.6	49.6	60.4	60.8	-
782,3	Motion picture theaters and services	129.0	127.2	133.1	131.7	-	-	-	-	-	-
80	Medical and other health services	4,548.0	4,563.3	4,826.7	4,850.2	-	-	-	-	-	-
806	Hospitals	2,434.0	2,436.0	2,532.1	2,538.5	-	2,221.0	2,221.9	2,264.4	2,273.7	-
81	Legal services	381.5	384.9	415.9	420.5	-	-	-	-	-	-
82	Educational services	1,353.2	1,334.3	1,408.2	1,429.0	-	-	-	-	-	-
821	Elementary and secondary schools	427.2	428.8	458.7	462.1	-	-	-	-	-	-
822	Colleges and universities	745.2	724.4	748.3	762.1	-	-	-	-	-	-
89	Miscellaneous services	924.1	931.1	991.2	998.7	-	-	-	-	-	-
891	Engineering and architectural services	421.3	423.0	453.2	456.0	-	-	-	-	-	-
892	Nonprofit research agencies	155.4	156.7	166.5	167.8	-	-	-	-	-	-

See footnotes at end of table.

**ESTABLISHMENT DATA
EMPLOYMENT**

B-2. Employees on nonagricultural payrolls, by industry—Continued

[In thousands]

SIC Code	Industry	All employees					Production workers ¹				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 P	Dec. 1977 P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 P	Dec. 1977 P
—	GOVERNMENT	15,268	15,261	15,447	15,621	15,654	—	—	—	—	—
91	FEDERAL GOVERNMENT ⁵	2,720	2,725	2,714	2,716	2,726	—	—	—	—	—
	Executive	2,670.3	2,674.5	2,662.5	2,664.3	—	—	—	—	—	
	Department of Defense	920.4	919.6	907.8	909.8	—	—	—	—	—	
	Postal Service	664.9	685.7	649.2	650.2	—	—	—	—	—	
	Other agencies	1,085.0	1,069.2	1,105.5	1,104.3	—	—	—	—	—	
	Legislative	38.2	38.4	38.9	39.1	—	—	—	—	—	
	Judicial	11.9	11.9	12.5	12.5	—	—	—	—	—	
92,93	STATE AND LOCAL GOVERNMENT	12,548	12,536	12,733	12,905	12,928	—	—	—	—	
92	State government	3,376.9	3,368.4	3,389.6	3,434.4	—	—	—	—	—	
	State education	1,495.8	1,480.7	1,435.4	1,468.7	—	—	—	—	—	
	Other State government	1,881.1	1,887.7	1,954.2	1,965.7	—	—	—	—	—	
93	Local government	9,171.0	9,168.0	9,343.2	9,470.4	—	—	—	—	—	
	Local education	5,252.6	5,253.7	5,318.7	5,419.3	—	—	—	—	—	
	Other local government	3,918.4	3,914.3	4,024.5	4,051.1	—	—	—	—	—	

¹ Data relate to production and related workers in mining and manufacturing; to construction workers in contract construction; and to nonsupervisory workers in transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; and services.

² Beginning January 1976, data relate to line haul railroads with operating revenues of \$10,000,000 or more.

³ Data for nonsupervisory workers exclude messengers.

⁴ Data for nonoffice sales agents excluded from nonsupervisory count for all series in this division.

⁵ Prepared by the U.S. Civil Service Commission. Data relate to civilian employment only and exclude Central Intelligence and National Security Agencies.

* Not available.

p=preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

B-4. Indexes of employment on nonagricultural payrolls, by industry division, 1919 to date, monthly data seasonally adjusted

[1967 = 100]

Year and month	Total	Goods-producing				Service-producing									
		Total	Mining	Contract construction	Manufacturing	Total	Transportation and public utilities	Wholesale and retail trade			Finance, insurance, and real estate	Services	Government		
								Total	Wholesale trade	Retail trade			Total	Federal	State and local
1919.....	41.1	55.1	184.8	31.8	54.8	33.5	87.1	33.2	-	-	34.4	22.4	23.5	-	-
1920.....	41.5	54.8	202.1	26.4	54.8	34.3	93.8	32.8	-	-	36.4	23.4	22.8	-	-
1925.....	43.7	53.6	177.7	45.1	51.1	38.3	89.8	41.0	-	-	38.2	28.4	24.6	-	-
1926.....	45.3	55.4	193.3	48.5	52.2	39.7	92.5	42.5	-	-	40.5	30.2	25.0	-	-
1927.....	45.5	54.7	181.7	50.1	51.4	40.5	91.4	43.4	-	-	42.4	31.4	25.6	-	-
1928.....	45.6	54.2	171.3	50.1	51.1	40.8	89.8	43.2	-	-	44.5	32.3	26.3	-	-
1929.....	47.6	57.1	177.3	46.7	55.0	42.4	91.9	45.0	-	-	46.8	34.1	26.9	19.6	29.2
1930.....	44.7	51.3	164.6	42.8	49.2	41.0	86.5	42.6	-	-	45.7	33.4	27.6	19.3	30.2
1931.....	40.5	44.1	142.4	37.8	42.0	38.5	76.4	38.8	-	-	43.6	31.5	28.6	20.6	31.2
1932.....	35.9	37.1	119.2	30.2	35.6	35.2	66.1	34.4	-	-	41.6	29.0	28.3	20.6	30.7
1933.....	36.0	38.5	121.4	25.2	38.0	34.7	62.7	34.9	-	-	40.2	28.4	27.8	20.8	30.0
1934.....	39.4	44.0	144.0	26.9	43.7	36.9	64.5	38.8	-	-	40.9	30.3	28.9	24.0	30.5
1935.....	41.1	46.8	146.3	28.4	46.6	38.0	65.4	39.9	-	-	41.4	31.1	30.5	27.7	31.4
1936.....	44.2	51.2	154.3	35.7	50.5	40.3	69.8	42.7	-	-	43.0	32.9	32.2	30.4	32.7
1937.....	47.1	55.5	165.6	34.7	55.5	42.5	73.6	46.0	-	-	44.4	34.8	33.0	30.6	33.7
1938.....	44.4	48.9	145.4	32.9	48.5	41.8	67.2	45.4	-	-	44.2	34.4	34.1	30.5	35.2
1939.....	46.5	52.8	139.3	35.8	52.9	43.1	68.9	47.2	47.8	47.0	45.3	34.8	35.1	33.3	35.6
1940.....	49.2	56.7	150.9	40.3	56.5	45.0	71.3	49.6	49.8	49.6	46.6	36.4	36.9	36.6	36.9
1941.....	55.5	68.5	156.1	55.8	67.8	48.4	76.8	53.0	53.1	53.0	48.0	38.8	40.9	49.3	38.3
1942.....	60.9	79.3	161.8	67.6	78.6	50.9	81.2	52.3	51.7	52.5	47.7	40.4	48.1	81.4	37.7
1943.....	64.5	86.4	150.9	48.8	90.5	52.5	85.6	51.3	49.4	52.0	46.6	41.1	53.3	106.8	36.6
1944.....	63.6	83.0	145.5	34.1	89.1	53.0	89.9	51.9	50.0	52.5	45.8	41.2	53.0	107.7	35.9
1945.....	61.3	75.2	136.4	35.3	79.8	53.8	91.7	53.8	52.8	54.1	46.4	42.0	52.1	103.3	36.1
1946.....	63.3	74.0	140.6	51.8	75.6	57.4	95.3	61.6	62.1	61.4	52.6	46.7	49.1	82.9	38.5
1947.....	66.6	79.4	155.8	61.8	79.9	59.6	97.8	65.8	67.0	65.4	54.4	50.0	48.0	69.6	41.3
1948.....	68.2	80.6	162.2	67.6	80.1	61.4	98.3	68.1	70.6	67.3	56.7	51.5	49.6	68.5	43.6
1949.....	66.5	75.4	151.7	67.5	74.3	61.6	93.9	68.1	70.6	67.2	57.6	52.1	51.4	70.2	45.5
1950.....	68.7	79.4	147.0	72.7	78.4	62.8	94.7	69.0	71.4	68.1	59.5	53.3	52.9	70.9	47.2
1951.....	72.7	85.6	151.5	81.1	84.3	65.6	99.2	71.6	73.9	70.8	61.7	55.2	56.1	84.7	47.1
1952.....	74.1	86.7	146.5	82.1	85.5	67.3	99.7	73.5	76.2	72.6	64.2	56.7	58.0	89.0	48.3
1953.....	76.3	90.4	141.3	81.8	90.2	68.6	100.7	75.3	77.4	74.6	66.5	58.1	58.3	84.8	50.0
1954.....	74.4	84.7	129.0	81.4	83.9	68.8	95.8	75.2	77.7	74.4	69.3	59.4	59.2	80.5	52.6
1955.....	76.9	88.0	129.2	87.3	86.8	70.9	97.2	77.4	79.3	76.8	72.4	62.1	60.7	80.4	54.5
1956.....	79.6	90.5	134.1	93.5	88.7	73.6	99.6	79.8	81.8	79.1	75.3	64.7	63.8	81.2	58.4
1957.....	80.3	89.9	135.1	91.1	88.3	75.1	99.5	80.0	82.1	79.3	76.8	66.8	66.8	81.5	62.2
1958.....	78.0	83.7	122.5	86.6	82.0	74.9	93.3	79.0	80.8	78.4	78.1	67.4	68.8	80.6	65.1
1959.....	81.0	87.5	119.4	92.3	85.7	77.4	94.1	81.8	83.6	81.2	80.4	70.6	70.9	82.1	67.4
1960.....	82.4	87.6	116.2	89.9	86.4	79.5	94.0	83.7	85.2	83.2	82.8	73.5	73.3	83.5	70.1
1961.....	82.1	85.2	109.6	87.8	84.0	80.4	91.6	83.3	84.9	82.8	84.7	75.9	75.4	83.8	72.8
1962.....	84.4	87.7	106.0	90.5	86.7	82.6	91.7	85.0	86.7	84.4	86.8	79.5	78.0	86.1	75.5
1963.....	86.1	88.5	103.6	92.4	87.4	84.8	91.6	86.6	88.1	86.1	89.2	82.4	80.9	86.7	79.1
1964.....	88.6	90.1	103.4	95.1	88.8	87.8	92.7	89.4	90.5	89.0	91.7	86.2	84.2	86.4	83.5
1965.....	92.3	94.0	103.1	99.3	92.9	91.4	94.7	93.5	94.0	93.3	93.7	90.0	88.4	87.5	88.7
1966.....	97.1	99.3	102.3	102.1	98.8	95.9	97.4	97.3	97.5	97.3	96.1	94.6	94.7	94.3	94.8
1967.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1968.....	103.2	101.8	98.9	103.1	101.7	103.9	101.2	103.6	102.4	104.0	104.8	105.2	103.9	100.7	105.0
1969.....	107.0	104.5	101.0	109.9	103.7	108.3	104.1	108.1	105.9	108.8	110.4	111.2	107.1	101.4	108.8
1970.....	107.7	101.0	101.6	110.2	99.5	111.3	105.7	110.5	108.3	111.3	114.3	115.1	110.2	100.4	113.3
1971.....	108.1	98.1	99.3	113.4	95.5	113.6	104.6	112.8	108.5	114.4	117.9	117.9	113.1	99.2	117.4
1972.....	111.9	101.2	102.0	119.4	98.2	117.8	106.0	117.4	111.9	119.4	122.3	122.7	117.0	98.7	122.8
1973.....	116.8	106.3	105.1	125.2	103.2	122.5	109.0	122.5	116.5	124.7	126.9	128.9	120.5	97.9	127.6
1974.....	119.1	106.1	113.2	123.3	103.1	126.1	110.2	125.1	119.8	126.9	130.5	134.8	124.4	100.2	132.0
1975.....	117.0	97.1	121.5	109.5	94.3	127.8	105.6	124.9	118.5	127.2	130.9	138.7	129.1	101.1	138.0
1976.....	120.6	100.3	127.7	112.0	97.5	131.7	105.8	130.0	120.9	133.2	133.8	145.0	131.1	100.5	140.7
1977 ^P	124.7	104.1	135.6	119.9	100.6	136.0	107.7	134.4	124.5	137.8	139.8	151.8	133.3	100.3	143.7
1976:															
Dec.....	122.0	101.1	132.0	112.4	98.3	133.5	106.8	131.7	122.1	135.1	136.4	147.9	131.9	100.0	141.9
1977:															
Jan.....	122.3	101.4	133.3	110.6	98.8	133.8	106.6	132.3	122.6	135.6	137.0	148.6	131.8	100.1	141.7
Feb.....	122.8	102.1	134.4	114.1	99.1	134.1	106.9	132.6	123.0	135.9	137.4	149.2	131.7	100.1	141.7
Mar.....	123.5	103.2	137.2	117.2	99.8	134.6	107.1	133.2	123.5	136.5	138.1	150.0	131.9	100.2	141.8
Apr.....	123.9	103.9	138.2	119.4	100.3	134.9	107.4	133.6	124.0	136.9	138.4	150.3	132.0	100.1	142.0
May.....	124.3	104.3	137.8	120.1	100.6	135.2	107.6	133.8	124.2	137.1	138.9	150.5	132.5	100.2	142.7
June.....	124.8	104.7	139.6	121.2	100.8	135.7	107.7	134.2	124.5	137.7	139.3	151.1	133.3	100.6	143.6
July.....	125.1	104.9	135.9	122.0	101.1	136.2	107.3	134.7	124.7	138.2	139.7	152.2	133.6	100.1	144.0
Aug.....	125.2	104.5	133.4	121.4	100.8	136.6	107.5	135.1	124.8	138.7	140.3	153.0	133.7	100.5	144.1
Sept.....	125.7	104.7	139.6	121.3	100.8	137.1	108.3	135.5	125.1	139.1	140.9	153.3	134.5	100.3	145.2
Oct.....	125.9	105.0	140.1	121.9	101.1	137.3	108.2	135.3	125.2	138.9	141.8	153.8	134.6	100.4	145.3
Nov.....	126.4	105.4	140.8	123.0	101.4	137.8	108.7	135.9	125.0	139.3	142.6	154.5	134.9	100.3	145.8
Dec.....	126.7	105.5	116.3	123.6	102.2	138.3	109.4	136.1	126.4	139.4	143.2	155.2	135.3	100.1	146.3

^P = preliminary.
NOTE: Data include Alaska and Hawaii beginning 1959. This inclusion has resulted in an increase of 212,000 (0.4 percent) in the nonagricultural total for the March 1959 benchmark month.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

B-5. Employees on nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted

[In thousands]

Industry division and group	1976	1977											
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.P	Dec.P
TOTAL	80,370	80,574	80,870	81,331	81,620	81,837	82,157	82,407	82,474	82,763	82,902	83,222	83,439
GOODS-PRODUCING	23,528	23,585	23,763	24,017	24,176	24,264	24,355	24,412	24,305	24,360	24,436	24,526	24,553
MINING	809	817	824	841	847	845	856	833	818	856	859	863	713
CONTRACT CONSTRUCTION	3,605	3,549	3,661	3,759	3,830	3,853	3,888	3,913	3,893	3,892	3,911	3,946	3,964
MANUFACTURING	19,114	19,219	19,278	19,417	19,499	19,566	19,611	19,666	19,594	19,612	19,666	19,717	19,876
DURABLE GOODS	11,165	11,236	11,261	11,373	11,404	11,451	11,484	11,548	11,527	11,545	11,604	11,627	11,746
Ordnance and accessories	156	156	156	156	156	156	157	156	156	155	150	152	153
Lumber and wood products	625	625	627	633	635	638	638	640	642	648	653	663	663
Furniture and fixtures	494	495	498	503	506	508	510	515	508	510	517	521	529
Stone, clay, and glass products	630	633	622	643	650	653	659	659	656	658	657	667	669
Primary metal industries	1,185	1,185	1,180	1,200	1,208	1,215	1,218	1,204	1,202	1,211	1,208	1,207	1,212
Fabricated metal products	1,405	1,415	1,420	1,432	1,433	1,444	1,452	1,459	1,460	1,456	1,473	1,480	1,495
Machinery, except electrical	2,107	2,122	2,134	2,142	2,150	2,165	2,170	2,202	2,210	2,217	2,243	2,236	2,252
Electrical equipment and supplies	1,863	1,874	1,890	1,906	1,915	1,925	1,931	1,959	1,951	1,944	1,961	1,975	1,993
Transportation equipment	1,765	1,787	1,786	1,808	1,802	1,797	1,802	1,813	1,802	1,809	1,801	1,781	1,821
Instruments and related products	517	521	523	526	525	528	527	527	526	528	530	532	535
Miscellaneous manufacturing	418	423	425	424	424	422	420	414	414	409	411	413	424
NONDURABLE GOODS	7,949	7,983	8,017	8,044	8,095	8,115	8,127	8,118	8,067	8,067	8,062	8,090	8,130
Food and kindred products	1,711	1,723	1,727	1,732	1,741	1,733	1,736	1,728	1,710	1,711	1,696	1,700	1,708
Tobacco manufactures	75	73	73	69	74	72	72	72	68	67	67	67	67
Textile mill products	961	960	967	974	979	986	986	992	982	985	987	993	993
Apparel and other textile products	1,273	1,279	1,282	1,284	1,290	1,292	1,301	1,292	1,286	1,285	1,285	1,292	1,296
Paper and allied products	682	685	687	689	695	701	703	705	704	702	702	702	709
Printing and publishing	1,089	1,092	1,096	1,099	1,103	1,108	1,113	1,114	1,114	1,116	1,117	1,119	1,125
Chemicals and allied products	1,042	1,045	1,049	1,052	1,057	1,062	1,061	1,064	1,061	1,058	1,058	1,060	1,065
Petroleum and coal products	204	205	205	207	209	210	210	210	210	210	211	212	213
Rubber and plastics products, nec	648	656	666	672	681	684	680	683	671	671	673	680	690
Leather and leather products	264	265	265	266	266	267	265	258	261	262	266	265	264
SERVICE-PRODUCING	56,842	56,989	57,107	57,314	57,444	57,573	57,802	57,995	58,169	58,403	58,466	58,696	58,886
TRANSPORTATION AND PUBLIC UTILITIES	4,549	4,544	4,553	4,563	4,575	4,586	4,588	4,572	4,581	4,616	4,610	4,630	4,660
WHOLESALE AND RETAIL TRADE ..	17,925	17,994	18,039	18,118	18,175	18,202	18,264	18,322	18,377	18,431	18,414	18,486	18,511
WHOLESALE TRADE	4,305	4,323	4,334	4,354	4,371	4,379	4,387	4,394	4,398	4,410	4,415	4,439	4,456
RETAIL TRADE	13,620	13,671	13,705	13,764	13,804	13,823	13,877	13,928	13,979	14,021	13,999	14,047	14,055
FINANCE, INSURANCE, AND REAL ESTATE	4,398	4,419	4,431	4,453	4,463	4,481	4,494	4,506	4,524	4,545	4,572	4,600	4,618
SERVICES	14,936	15,010	15,068	15,149	15,182	15,197	15,260	15,372	15,448	15,482	15,533	15,601	15,676
Hotels and other lodging places	1,086	1,094	1,083	1,089	1,092	1,073	1,066	1,082	1,081	1,073	1,074	1,079	-
Personal services	809	809	808	809	809	805	806	802	803	801	799	798	-
Medical and other health services	4,572	4,584	4,608	4,634	4,662	4,681	4,723	4,747	4,778	4,801	4,827	4,850	-
Educational services	1,271	1,274	1,280	1,286	1,287	1,289	1,285	1,314	1,327	1,356	1,342	1,346	-
GOVERNMENT	15,034	15,022	15,016	15,031	15,049	15,107	15,196	15,223	15,239	15,329	15,337	15,379	15,421
FEDERAL	2,720	2,721	2,721	2,725	2,721	2,725	2,735	2,721	2,732	2,728	2,730	2,727	2,722
STATE AND LOCAL	12,314	12,301	12,295	12,306	12,328	12,382	12,461	12,502	12,507	12,601	12,607	12,652	12,699

p = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT**

**B-6. Production or nonsupervisory workers¹ on private nonagricultural payrolls,
by industry division and major manufacturing group, seasonally adjusted**

[In thousands]

Industry division and group	1977												
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. P	Dec. P
TOTAL	53,718	53,800	54,080	54,462	54,693	54,823	54,968	55,122	55,117	55,267	55,337	55,629	55,748
GOODS-PRODUCING	17,186	17,180	17,349	17,594	17,739	17,806	17,877	17,888	17,784	17,829	17,890	17,990	17,997
MINING	613	609	617	636	639	637	645	624	609	643	645	649	519
CONTRACT CONSTRUCTION	2,854	2,764	2,880	2,983	3,056	3,067	3,100	3,119	3,097	3,095	3,113	3,151	3,164
MANUFACTURING	13,719	13,807	13,852	13,975	14,044	14,102	14,132	14,145	14,078	14,091	14,132	14,190	14,314
DURABLE GOODS	7,967	8,024	8,039	8,137	8,167	8,211	8,236	8,271	8,252	8,266	8,313	8,339	8,436
Ordnance and accessories	70	70	70	70	71	72	73	71	70	70	68	69	69
Lumber and wood products	528	529	532	538	540	543	544	544	548	553	556	568	567
Furniture and fixtures	406	405	409	413	417	419	420	423	416	418	424	429	435
Stone, clay, and glass products	501	502	489	511	518	521	527	527	523	524	522	530	533
Primary metal industries	925	925	919	939	944	952	954	943	937	948	946	945	952
Fabricated metal products	1,061	1,069	1,075	1,084	1,085	1,096	1,103	1,106	1,104	1,102	1,117	1,125	1,137
Machinery, except electrical	1,358	1,370	1,378	1,385	1,390	1,404	1,409	1,438	1,443	1,444	1,464	1,458	1,467
Electrical equipment and supplies	1,233	1,239	1,254	1,267	1,276	1,285	1,287	1,299	1,296	1,289	1,303	1,315	1,329
Transportation equipment	1,250	1,273	1,267	1,284	1,279	1,272	1,275	1,281	1,279	1,285	1,278	1,261	1,296
Instruments and related products	316	318	320	321	322	323	323	322	321	324	324	325	327
Miscellaneous manufacturing	319	324	326	325	325	324	321	315	314	309	311	314	324
NONDURABLE GOODS	5,752	5,783	5,813	5,838	5,877	5,891	5,896	5,874	5,826	5,825	5,819	5,851	5,878
Food and kindred products	1,160	1,170	1,175	1,181	1,187	1,181	1,181	1,170	1,156	1,157	1,141	1,148	1,152
Tobacco manufactures	62	60	60	56	60	58	59	57	54	54	54	53	53
Textile mill products	837	838	842	849	855	860	860	866	855	857	860	867	866
Apparel and other textile products	1,092	1,096	1,100	1,102	1,107	1,109	1,117	1,105	1,102	1,100	1,099	1,108	1,112
Paper and allied products	515	517	518	519	522	527	528	529	528	526	527	527	532
Printing and publishing	631	632	635	636	639	642	642	642	640	639	641	642	645
Chemicals and allied products	591	596	600	602	606	610	610	612	609	608	607	609	611
Petroleum and coal products	132	133	132	135	137	137	138	137	137	138	139	140	141
Rubber and plastics products, nec	507	514	524	530	536	538	534	536	522	522	524	531	541
Leather and leather products	225	227	227	228	228	229	227	220	223	224	227	226	225
SERVICE-PRODUCING	36,532	36,620	36,731	36,868	36,954	37,017	37,091	37,234	37,333	37,438	37,447	37,639	37,751
TRANSPORTATION AND PUBLIC UTILITIES	3,904	3,882	3,878	3,886	3,893	3,903	3,903	3,885	3,890	3,918	3,899	3,925	3,963
WHOLESALE AND RETAIL TRADE	15,827	15,876	15,927	15,994	16,035	16,064	16,114	16,165	16,208	16,234	16,202	16,267	16,277
WHOLESALE TRADE	3,562	3,572	3,588	3,602	3,614	3,622	3,623	3,627	3,629	3,639	3,637	3,658	3,668
RETAIL TRADE	12,265	12,304	12,339	12,392	12,421	12,442	12,491	12,538	12,579	12,595	12,565	12,609	12,609
FINANCE, INSURANCE, AND REAL ESTATE	3,357	3,371	3,382	3,393	3,402	3,410	3,420	3,427	3,439	3,459	3,476	3,502	3,514
SERVICES	13,444	13,491	13,544	13,595	13,624	13,640	13,654	13,747	13,796	13,827	13,870	13,945	13,997

¹ For coverage of series, see footnote 1, table B-2.

p=preliminary.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED EMPLOYMENT

B-7. Indexes of diffusion: Percent of industries in which employment¹ increased, 1975 to date

Year and month	Over 1-month span	Over 3-month span	Over 6-month span	Over 12-month span
1975				
January	15.1	12.8	12.8	16.6
February	15.7	12.8	11.9	17.4
March	25.6	18.6	17.7	17.7
April	39.0	32.3	28.2	20.6
May	51.2	43.9	41.6	27.0
June	40.7	52.3	56.7	40.7
July	58.1	57.0	67.2	50.6
August	73.0	76.2	70.1	63.1
September	80.8	81.7	75.3	72.4
October	66.9	74.1	82.3	77.3
November	62.2	72.4	83.4	80.2
December	74.1	74.7	81.7	82.6
1976				
January	78.5	82.0	83.1	86.0
February	77.9	84.3	81.7	84.6
March	74.1	85.2	79.9	81.1
April	79.4	77.9	79.4	74.4
May	66.6	71.5	70.9	79.7
June	54.1	61.0	68.6	79.1
July	57.3	52.9	57.0	74.1
August	47.1	62.5	57.3	74.7
September	69.8	56.7	63.7	78.5
October	42.4	62.8	69.8	76.5
November	69.5	58.7	73.5	75.0
December	73.0	79.9	78.5	74.7
1977				
January	75.0	79.7	89.0	75.9
February	73.5	86.0	86.6	75.6
March	82.3	85.8	83.1	78.2
April	77.6	84.0	80.5	78.2
May	68.6	73.3	71.5	80.4p
June	63.7	70.1	68.0	78.9p
July	65.7	56.1	68.3	
August	50.0	62.5	70.2p	
September	61.3	57.0	74.3p	
October	59.9	71.9p		
November	73.7p	76.0p		
December	77.8p			
1978				
January				
February				
March				
April				
May				
June				
July				
August				
September				
October				
November				
December				

¹ Number of employees, seasonally adjusted, on payrolls of 172 private nonagricultural industries.
p = preliminary.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P
1 ALABAMA	1,228.8	1,266.2	1,267.2	14.6	14.5	14.8	70.9	72.9	71.7	346.2	354.1	352.4
2 Birmingham	324.4	326.9	327.6	8.5	7.6	8.2	20.3	21.5	20.8	65.5	64.6	64.0
3 Huntsville	104.5	107.9	108.0	(1)	(1)	(1)	3.6	4.0	3.8	29.7	31.9	32.3
4 Mobile	134.6	137.0	139.0	(1)	(1)	(1)	10.5	10.6	10.7	27.6	27.4	27.9
5 Montgomery	89.8	93.4	93.6	(1)	(1)	(1)	5.7	6.0	6.0	13.9	14.7	14.7
6 Tuscaloosa	48.8	48.7	47.4	.8	.9	.9	3.2	3.2	3.2	10.8	10.1	8.6
7 ALASKA	164.0	150.5	143.2	4.2	4.9	4.9	26.4	10.6	10.0	9.8	11.1	9.0
8 ARIZONA	777.4	805.8	811.7	25.4	19.8	20.3	42.7	52.3	53.0	109.0	114.4	114.8
9 Phoenix	462.6	484.9	489.6	.5	.5	.5	24.4	31.0	31.6	80.2	85.5	85.7
10 Tucson	150.7	151.1	151.9	8.2	5.4	6.0	9.5	10.3	10.4	12.8	12.9	12.8
11 ARKANSAS	668.5	709.6	709.5	4.8	5.2	5.2	33.7	38.5	37.5	198.0	213.9	214.7
12 Fayetteville-Springdale	53.9	56.6	57.1	(1)	(1)	(1)	2.8	2.7	2.9	15.9	17.0	17.1
13 Fort Smith	60.2	61.8	62.1	.5	.5	.5	2.6	2.5	2.6	21.4	22.3	22.5
14 Little Rock-North Little Rock	158.9	166.3	166.6	(1)	(1)	(1)	9.1	9.9	9.9	28.7	31.2	31.2
15 Pine Bluff	26.8	27.8	27.7	(1)	(1)	(1)	1.1	1.1	1.1	5.7	6.3	6.2
16 CALIFORNIA	8,270.7	8,664.5	8,708.6	35.3	36.5	36.6	336.3	399.1	398.1	1,668.6	1,695.5	1,695.7
17 Anaheim-Santa Ana-Garden Grove	617.9	653.7	659.8	1.8	2.1	2.2	35.5	41.9	42.0	161.6	169.6	169.6
18 Bakersfield	108.8	111.4	111.7	8.7	8.9	8.9	4.5	5.0	5.0	9.0	9.4	9.3
19 Fresno	157.3	166.3	165.1	.8	.8	.8	7.5	9.1	8.8	22.2	23.0	23.0
20 Los Angeles-Long Beach	3,169.2	3,264.5	3,290.2	11.5	11.5	11.5	97.5	109.2	109.3	808.9	815.2	820.7
21 Modesto	74.8	84.5	81.7	.1	.1	.1	4.3	5.1	5.0	16.7	21.1	18.1
22 Oxnard-Simi Valley-Ventura	117.6	119.8	119.7	2.1	2.2	2.2	4.6	5.0	5.0	17.8	18.3	18.0
23 Riverside-San Bernardino-Ontario	348.7	363.4	364.6	2.2	2.6	2.6	13.0	14.8	14.8	53.6	54.2	54.2
24 Sacramento	338.8	357.9	357.8	.3	.3	.3	14.7	17.0	16.8	22.7	24.5	23.4
25 Salinas-Seaside-Monterey	76.4	80.9	80.4	.6	.6	.6	2.8	3.2	3.4	9.1	10.0	9.6
26 San Diego	503.5	529.4	532.6	.8	.8	.8	28.3	31.3	31.7	72.3	77.1	77.5
27 San Francisco-Oakland	1,383.1	1,403.8	1,408.3	2.3	2.4	2.4	59.3	63.8	63.3	187.0	188.2	188.3
28 San Jose	499.5	522.3	523.3	.1	.1	.1	18.5	19.9	19.7	163.4	169.6	167.5
29 Santa Barbara-Santa Maria-Lompoc	104.2	104.9	105.0	1.0	1.0	1.0	3.5	3.5	3.5	14.3	13.6	13.7
30 Santa Rosa	70.1	73.9	74.4	.4	.4	.4	3.5	4.1	3.9	10.3	11.1	10.9
31 Stockton	104.0	110.6	108.4	.1	.1	.1	3.9	4.3	4.3	17.8	19.7	18.0
32 Vallejo-Fairfield-Napa	86.7	89.5	89.4	.2	.2	.2	3.3	3.5	3.4	8.6	8.9	8.5
33 COLORADO	989.0	1,009.3	1,011.8	20.5	23.2	23.1	56.9	62.0	61.2	140.6	145.8	145.2
34 Denver-Boulder	626.0	639.0	641.4	8.1	10.1	10.0	37.4	42.2	41.5	95.3	98.3	98.5
35 CONNECTICUT	1,256.0	1,271.1	1,277.9	(3)	(3)	(3)	42.5	42.6	41.9	400.3	399.3	399.4
36 Bridgeport	148.1	147.2	147.7	(3)	(3)	(3)	4.2	3.9	3.7	58.5	58.5	58.3
37 Hartford	343.6	348.0	349.8	(3)	(3)	(3)	10.4	10.5	10.2	83.1	82.7	83.5
38 New Britain	55.5	56.8	56.9	(3)	(3)	(3)	1.9	2.2	2.1	25.9	27.1	27.2
39 New Haven-West Haven	171.0	171.2	172.0	(3)	(3)	(3)	5.1	4.7	4.7	42.5	43.0	43.3
40 Stamford	90.7	94.4	94.9	(3)	(3)	(3)	3.2	3.5	3.4	27.4	27.2	27.3
41 Waterbury	82.6	81.8	81.9	(3)	(3)	(3)	2.5	2.2	2.1	33.8	31.7	31.5
42 DELAWARE	238.9	241.5	241.8	(1)	(1)	(1)	15.0	15.4	15.4	68.7	70.5	69.3
43 Wilmington	208.9	212.5	213.9	(1)	(1)	(1)	13.4	14.8	14.7	63.9	65.2	65.5
44 DISTRICT OF COLUMBIA	575.5	576.9	578.1	(1)	(1)	(1)	17.0	18.4	18.2	15.7	15.7	15.7
45 Washington SMSA	1,371.2	1,397.5	1,401.8	(1)	(1)	(1)	72.3	77.9	76.3	49.7	50.8	50.9
46 FLORIDA	2,839.7	2,886.9	2,943.1	9.1	9.2	9.2	173.4	186.9	186.5	349.4	359.9	367.6
47 Fort Lauderdale-Hollywood	237.9	243.1	248.0	(1)	(1)	(1)	16.7	18.5	18.7	26.6	28.6	29.3
48 Jacksonville	258.2	264.4	266.1	(1)	(1)	(1)	14.4	15.8	15.7	28.7	29.8	30.5
49 Miami	588.2	592.5	598.4	(1)	(1)	(1)	24.1	23.9	24.0	86.1	88.8	89.5
50 Orlando	212.6	215.1	216.3	(1)	(1)	(1)	11.5	12.0	11.9	25.3	26.8	26.9
51 Pensacola	88.1	92.1	92.1	(1)	(1)	(1)	6.5	6.9	6.6	13.5	13.8	13.7
52 Tampa-St. Petersburg	420.5	426.3	432.9	(1)	(1)	(1)	26.9	28.5	29.2	57.4	59.1	60.0
53 West Palm Beach-Boca Raton	147.9	151.0	154.0	(1)	(1)	(1)	9.8	10.5	10.7	18.7	20.3	21.0
54 GEORGIA	1,894.6	1,948.2	1,946.1	6.5	7.2	7.3	86.0	100.8	100.0	485.6	497.6	489.2
55 Atlanta	786.0	796.8	790.0	(1)	(1)	(1)	31.7	33.8	34.1	127.9	130.5	122.2
56 Augusta	109.4	114.1	114.6	(1)	(1)	(1)	6.9	8.4	8.0	34.9	36.3	36.4
57 Columbus	73.9	77.7	78.2	(1)	(1)	(1)	3.9	4.3	4.1	20.1	21.1	21.0
58 Macon	93.6	93.4	93.7	(1)	(1)	(1)	5.3	5.3	5.4	16.0	16.0	15.9
59 Savannah	77.9	79.5	80.5	(1)	(1)	(1)	5.1	5.5	5.6	16.2	16.0	16.1
60 HAWAII	349.4	351.9	351.5	(1)	(1)	(1)	20.7	17.2	16.4	21.8	21.6	18.8
61 Honolulu	291.2	292.0	293.8	(1)	(1)	(1)	17.0	14.0	13.4	15.8	15.7	15.1

See footnotes at end of table.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	
64.3	67.5	67.8	250.2	258.4	260.4	53.2	55.2	55.2	177.7	184.1	183.7	251.7	259.5	261.2	1
24.3	25.0	25.0	78.8	79.3	80.3	20.8	21.0	21.1	56.4	57.3	57.3	49.8	50.6	50.9	2
2.3	2.4	2.3	20.2	20.4	20.5	2.8	2.9	2.9	15.1	15.5	15.5	30.8	30.8	30.7	3
10.0	10.3	10.7	32.7	33.6	34.1	6.1	6.5	6.5	26.3	26.5	26.6	21.4	22.1	22.5	4
4.2	4.4	4.4	21.0	22.7	22.9	5.2	5.4	5.4	16.7	16.8	16.8	23.1	23.4	23.4	5
1.8	1.8	1.8	9.0	9.0	9.1	1.5	1.6	1.6	5.2	5.2	5.2	16.5	16.9	17.0	6
15.1	15.4	12.5	28.5	25.5	25.5	7.5	7.9	7.9	26.6	25.2	23.9	45.9	49.9	49.5	7
39.9	41.0	41.6	186.8	191.2	193.3	43.1	44.9	45.1	147.4	153.9	154.0	183.1	188.3	189.6	8
23.8	24.8	25.0	121.5	124.7	126.4	33.1	34.6	34.7	89.2	91.7	92.5	89.9	92.1	93.2	9
7.6	7.6	7.6	33.5	33.6	33.8	6.0	6.1	6.2	30.4	31.0	31.2	42.7	44.2	43.9	10
38.6	39.2	38.6	143.8	150.9	151.7	28.4	30.7	30.6	95.3	100.6	99.8	125.9	130.6	131.2	11
3.0	2.8	2.8	12.9	13.5	13.8	1.8	2.1	2.1	7.1	7.6	7.6	10.4	10.9	10.8	12
3.3	3.3	3.3	13.3	13.4	13.6	2.1	2.3	2.2	10.0	10.4	10.3	7.0	7.1	7.1	13
11.0	11.3	11.3	37.5	38.4	38.5	11.7	12.3	12.3	27.7	29.3	29.3	33.2	33.9	34.1	14
3.4	3.5	3.5	5.5	5.6	5.6	1.2	1.2	1.2	3.9	4.0	4.0	6.0	6.1	6.1	15
463.8	484.9	489.1	1,919.1	2,024.7	2,047.1	476.1	498.3	498.6	1,630.7	1,728.9	1,732.6	1,740.8	1,796.6	1,810.8	16
19.0	20.0	20.1	150.5	159.6	161.9	33.9	37.0	37.3	115.9	121.1	122.4	99.7	102.4	104.3	17
7.1	7.0	7.1	27.1	27.9	28.4	3.9	3.9	3.9	17.5	18.2	18.2	31.0	31.1	30.9	18
9.3	9.4	9.3	41.5	45.4	44.3	7.8	8.2	8.2	28.1	29.4	29.4	40.1	41.0	41.3	19
171.6	181.1	181.8	734.5	761.0	771.2	190.2	198.8	199.4	663.2	690.9	693.5	491.8	496.8	502.8	20
3.3	3.6	3.5	17.8	20.4	20.3	2.1	2.3	2.3	13.5	13.9	14.1	17.0	18.0	18.3	21
4.5	4.7	4.7	27.7	28.2	28.1	4.5	4.6	4.6	20.5	20.5	20.5	35.9	36.3	36.6	22
19.1	20.4	20.5	83.7	85.5	86.7	13.7	14.0	14.0	71.8	74.7	74.6	91.6	97.2	97.2	23
17.4	18.3	18.2	78.6	83.2	83.7	15.3	16.4	16.4	57.2	60.4	60.5	132.6	137.8	138.5	24
4.3	4.6	4.5	19.6	20.7	20.6	3.3	3.4	3.5	14.8	15.5	15.3	21.9	22.9	22.7	25
23.1	24.2	24.2	117.1	123.4	124.6	26.6	28.5	28.6	101.9	106.3	106.7	133.4	137.8	138.5	26
120.4	120.1	120.3	313.6	316.7	320.1	116.4	117.4	117.7	280.0	288.3	288.7	304.1	306.9	307.5	27
18.2	19.1	19.1	100.3	105.3	107.1	20.2	21.3	21.2	102.4	110.3	110.5	76.4	76.7	78.1	28
3.4	3.4	3.4	25.3	25.3	25.4	4.4	4.4	4.4	24.8	25.2	25.2	27.5	28.5	28.4	29
3.4	3.7	3.7	17.3	18.0	18.3	3.7	4.0	4.0	13.0	13.6	13.6	18.5	19.0	19.6	30
7.5	7.9	7.9	24.5	26.5	25.7	4.1	4.3	4.3	19.8	20.8	20.8	26.3	27.0	27.3	31
4.0	4.1	4.0	16.1	16.8	17.0	2.6	2.8	2.8	15.0	16.0	16.0	36.9	37.2	37.5	32
60.2	63.7	63.8	237.0	238.2	241.0	59.6	60.9	61.2	194.9	193.8	193.8	219.3	221.7	222.6	33
39.7	43.2	43.3	156.3	156.3	158.9	44.4	45.1	45.2	126.9	125.3	124.9	117.9	118.6	119.1	34
53.2	54.1	53.9	263.2	266.3	271.9	88.0	90.4	90.7	231.7	242.9	242.9	177.1	175.5	177.3	35
5.7	5.5	5.4	30.0	29.6	30.2	6.0	6.0	6.0	26.3	25.9	26.1	17.5	17.8	18.0	36
12.5	13.0	13.0	74.6	74.7	75.5	50.4	52.5	52.7	61.3	63.8	63.5	51.4	50.9	51.3	37
1.5	1.4	1.4	9.5	9.4	9.6	1.6	1.6	1.6	8.5	8.4	8.4	6.7	6.7	6.7	38
13.8	13.8	13.8	36.9	36.9	37.3	9.6	9.7	9.8	39.1	39.7	39.5	23.8	23.5	23.7	39
3.1	3.3	3.2	20.9	22.3	22.6	6.0	6.4	6.4	20.0	21.2	21.2	10.2	10.5	10.7	40
3.0	3.0	3.0	14.9	15.3	15.5	2.8	3.0	3.0	15.0	15.9	15.9	10.8	10.8	11.0	41
12.0	12.3	12.2	52.4	52.4	53.0	11.0	11.1	11.1	38.2	38.6	38.8	41.6	41.2	42.0	42
10.6	10.8	10.7	43.5	43.4	44.0	10.1	10.0	10.0	32.9	33.8	33.8	34.5	34.5	35.2	43
29.2	29.1	29.0	66.5	67.4	67.9	33.4	32.4	32.5	148.7	149.8	149.8	265.0	264.1	265.0	44
64.7	66.1	66.1	269.8	275.4	278.8	78.3	79.6	79.8	321.4	330.7	329.9	515.0	517.0	520.0	45
181.2	185.3	187.0	744.6	743.3	764.7	187.9	191.9	192.1	620.2	628.9	648.9	573.9	581.5	587.1	46
13.1	13.3	13.7	67.8	65.4	67.2	19.4	21.1	21.4	55.4	56.3	57.5	38.9	39.9	40.2	47
20.8	21.2	21.1	69.4	71.7	72.5	26.4	26.3	26.4	48.0	48.4	48.4	50.5	51.2	51.5	48
58.7	59.4	59.9	149.3	151.3	153.4	43.2	43.4	43.4	143.3	141.0	143.4	83.5	84.7	84.8	49
11.6	11.6	11.7	60.1	59.3	59.8	14.1	14.3	14.3	54.6	55.4	55.7	35.4	35.7	36.0	50
4.3	4.3	4.3	20.9	21.9	22.2	3.6	3.7	3.8	15.2	16.5	16.4	24.1	25.0	25.1	51
26.4	27.0	26.9	119.7	118.0	121.2	29.0	30.1	30.2	91.5	91.7	93.0	69.6	71.9	72.4	52
6.7	6.7	6.7	39.2	39.3	40.3	10.9	11.5	11.6	36.6	36.3	37.0	26.0	26.4	26.7	53
119.4	122.0	123.2	444.7	443.6	449.0	100.5	100.8	100.8	285.2	295.5	294.9	366.7	360.7	381.7	54
69.4	71.6	71.5	225.6	224.3	225.4	57.7	57.3	57.3	144.9	145.8	145.8	128.8	133.5	133.7	55
4.1	4.1	4.1	19.3	20.1	20.7	3.7	3.8	3.8	13.3	14.1	14.2	27.1	27.3	27.4	56
2.9	3.0	2.9	16.0	16.0	16.4	4.6	4.8	4.9	9.7	10.3	10.4	16.7	18.3	18.4	57
4.2	4.2	4.2	17.2	16.5	16.7	5.5	5.5	5.5	14.9	15.7	15.7	30.5	30.2	30.3	58
8.3	7.9	8.6	18.5	18.8	18.7	3.7	3.8	3.8	12.6	13.0	13.1	13.5	14.5	14.6	59
27.1	28.1	28.0	89.2	90.6	91.2	24.8	24.8	24.8	80.5	85.7	86.0	85.3	83.9	86.3	60
22.5	23.2	23.1	75.5	75.9	76.4	21.8	22.0	22.0	65.4	69.8	70.2	73.2	71.4	73.6	61

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P
1 IDAHO	300.5	314.9	312.4	3.1	3.8	3.8	19.4	21.4	20.5	54.1	55.5	55.4
2 Boise City	67.7	72.1	71.6	(1)	(1)	(1)	5.4	5.9	5.8	6.8	7.3	7.2
3 ILLINOIS	4,536.4	4,620.7	4,632.3	27.2	27.5	27.4	182.6	190.1	184.2	1,211.6	1,226.0	1,229.3
4 Bloomington—Normal	47.9	49.4	50.3	(3)	(3)	(3)	1.3	1.3	1.2	7.1	8.2	8.2
5 Champaign—Urbana—Rantoul	67.3	66.6	66.7	(3)	(3)	(3)	3.2	3.3	3.2	6.4	6.4	6.5
6 Chicago—Gary	3,275.1	3,353.5	(*)	4.3	4.4	(*)	122.8	139.3	(*)	915.0	936.3	(*)
7 Chicago SMSA	3,038.7	3,107.7	3,115.8	4.2	4.3	4.3	109.4	124.5	121.6	817.2	833.2	835.6
8 Davenport—Rock Island—Moline	154.4	154.3	154.2	(3)	(3)	(3)	6.2	6.1	5.8	50.2	50.2	50.3
9 Decatur	53.9	54.9	54.9	(3)	(3)	(3)	3.3	4.2	3.9	19.7	18.9	18.9
10 Peoria	147.0	147.5	148.1	(3)	(3)	(3)	9.2	9.4	9.2	51.0	50.3	50.7
11 Rockford	113.9	113.6	114.7	(3)	(3)	(3)	3.5	3.8	3.8	51.4	49.3	50.1
12 Springfield	79.4	81.5	81.7	(3)	(3)	(3)	4.6	4.6	4.5	8.1	9.1	9.1
13 INDIANA	2,036.7	2,100.5	2,100.7	8.2	8.4	8.2	82.8	89.2	86.0	689.5	712.6	712.5
14 Anderson	50.4	52.0	52.1	(1)	(1)	(1)	1.1	1.2	1.2	25.7	26.4	26.6
15 Evansville	111.6	113.6	114.5	2.4	2.3	2.4	5.1	5.8	5.7	35.0	36.0	36.4
16 Fort Wayne	158.8	163.6	162.8	(1)	(1)	(1)	6.7	6.8	6.7	57.0	60.0	59.1
17 Gary—Hammond—East Chicago	236.4	242.9	242.9	(1)	(1)	(1)	13.4	14.3	14.0	97.8	99.6	99.6
18 Indianapolis	467.6	482.9	484.3	(1)	(1)	(1)	17.8	19.4	18.7	120.8	126.4	126.4
19 Lafayette—West Lafayette	53.0	55.8	55.6	(1)	(1)	(1)	1.7	1.9	1.8	10.7	12.2	12.2
20 Muncie	47.2	49.7	49.9	(1)	(1)	(1)	1.9	1.8	1.7	13.8	14.8	15.0
21 South Bend	103.5	103.7	104.6	(1)	(1)	(1)	4.1	4.5	4.5	32.1	32.0	32.5
22 Terre Haute	58.1	60.7	60.3	1.2	1.2	1.2	2.1	2.4	2.2	15.3	16.7	16.3
23 IOWA	1,029.8	1,059.0	1,058.9	2.8	2.9	2.8	48.9	52.1	50.0	234.8	240.5	240.0
24 Cedar Rapids	75.9	76.8	77.0	(1)	(1)	(1)	2.7	3.3	3.3	27.9	28.6	28.7
25 Des Moines	156.7	162.6	163.1	(1)	(1)	(1)	6.6	7.8	7.4	22.3	23.1	23.4
26 Dubuque	40.4	41.4	41.4	(1)	(1)	(1)	1.1	1.3	1.3	16.2	16.4	16.2
27 Sioux City	50.8	49.6	49.6	(1)	(1)	(1)	3.9	4.7	4.6	12.1	10.3	10.1
28 Waterloo—Cedar Falls	57.9	60.4	60.1	(1)	(1)	(1)	2.2	2.5	2.4	19.7	21.9	21.4
29 KANSAS	846.7	865.3	866.6	10.9	11.9	11.8	43.9	45.7	44.2	168.5	167.6	167.6
30 Topeka	78.6	80.5	80.6	.2	.2	.2	3.3	3.6	3.4	10.6	11.0	11.1
31 Wichita	175.6	174.1	174.4	1.7	2.0	2.0	9.8	10.9	10.6	53.2	50.2	50.4
32 KENTUCKY	1,129.0	1,179.0	1,186.8	46.2	53.2	53.4	56.4	72.5	69.8	272.9	262.0	282.7
33 Lexington—Fayette	133.2	136.0	136.4	(1)	(1)	(1)	6.8	7.2	7.2	28.6	29.7	30.3
34 Louisville	360.6	373.0	377.0	(1)	(1)	(1)	15.1	16.7	16.7	104.9	108.8	109.9
35 LOUISIANA	1,321.2	1,315.9	1,324.9	62.7	64.8	64.7	120.5	114.5	114.7	194.6	200.5	200.8
36 Alexandria	46.1	47.3	46.9	(1)	(1)	(1)	2.9	2.8	2.8	6.4	6.5	6.2
37 Baton Rouge	173.3	176.2	176.7	1.0	.9	.9	23.3	22.2	22.4	24.3	25.1	25.2
38 Lafayette	53.1	54.2	54.4	8.5	8.8	8.8	3.3	3.6	3.6	3.3	3.2	3.3
39 Lake Charles	53.3	52.4	52.6	1.5	1.6	1.6	5.9	4.9	5.0	11.5	11.5	11.6
40 Monroe	43.9	44.0	43.9	.4	.3	.4	3.3	3.6	3.6	7.3	7.7	7.6
41 New Orleans	437.1	434.3	439.9	14.8	15.2	15.3	26.4	26.4	26.8	52.4	53.1	53.3
42 Shreveport	128.7	131.2	131.5	4.6	4.6	4.6	8.0	7.9	8.0	25.3	27.7	27.6
43 MAINE	379.4	396.1	392.9	(1)	(1)	(1)	23.3	24.8	23.5	102.6	108.4	108.7
44 Lewiston—Auburn	32.2	33.4	33.5	(1)	(1)	(1)	1.3	1.4	1.3	12.1	12.6	12.5
45 Portland	82.3	83.9	84.2	(1)	(1)	(1)	4.5	4.4	4.0	15.9	15.6	15.6
46 MARYLAND	1,531.1	1,555.1	1,563.7	1.7	1.7	1.7	97.0	102.1	100.3	231.7	236.4	236.8
47 Baltimore	865.0	876.7	881.5	(1)	(1)	(1)	46.2	50.0	49.0	160.8	163.3	163.1
48 MASSACHUSETTS	2,346.0	2,390.6	2,400.1	(1)	(1)	(1)	72.3	72.7	70.9	604.4	611.3	616.7
49 Boston	1,273.9	1,282.4	1,290.8	(1)	(1)	(1)	42.8	42.3	41.2	256.7	257.1	260.7
50 Brockton	51.6	52.7	53.1	-	-	-	1.7	1.7	1.6	11.9	12.1	12.2
51 Fall River	51.3	53.4	53.6	(1)	(1)	(1)	1.4	1.3	1.3	20.4	21.0	21.2
52 Lawrence—Haverhill	94.5	98.4	98.2	(1)	(1)	(1)	2.4	2.6	2.6	36.3	38.8	38.7
53 Lowell	62.1	64.3	64.5	(1)	(1)	(1)	2.4	2.5	2.4	20.8	22.3	22.4
54 New Bedford	59.8	62.1	62.3	(1)	(1)	(1)	1.6	1.6	1.6	24.0	25.2	25.3
55 Springfield—Chicopee—Holyoke	215.1	219.7	219.7	(1)	(1)	(1)	5.6	5.5	5.5	63.8	65.8	65.5
56 Worcester	148.9	151.2	151.9	(1)	(1)	(1)	3.8	3.7	3.6	44.8	44.7	45.2
57 MICHIGAN	3,357.9	3,496.2	3,514.8	13.7	10.4	10.6	113.2	141.2	139.4	1,087.7	1,134.0	1,140.0
58 Ann Arbor	125.2	129.9	131.5	(1)	(1)	(1)	2.6	3.1	3.0	39.3	41.8	42.5
59 Battle Creek	64.8	65.4	65.8	(1)	(1)	(1)	1.7	1.8	1.8	23.6	23.4	23.6
60 Bay City	34.6	35.9	36.0	(1)	(1)	(1)	1.4	1.7	1.6	10.7	11.2	11.3
61 Detroit	1,672.8	1,719.6	1,729.6	1.3	1.2	1.3	54.9	68.0	66.8	564.9	579.4	580.4
62 Flint	187.9	198.9	199.2	(1)	(1)	(1)	5.6	6.9	6.7	81.9	88.5	88.3
63 Grand Rapids	234.2	244.0	245.4	(1)	(1)	(1)	9.1	11.3	10.5	79.5	84.2	85.7

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	
17.7	18.3	18.3	76.5	78.2	78.2	15.8	16.4	16.5	48.9	52.5	51.9	65.0	68.8	67.8	1
4.1	4.3	4.3	18.4	19.3	19.5	5.3	5.9	5.9	11.4	12.0	12.1	16.3	17.4	16.8	2
277.8	281.4	281.3	1,052.6	1,066.3	1,075.7	257.6	266.6	266.6	808.6	840.0	838.1	718.4	722.6	729.6	3
3.1	3.1	3.1	11.1	11.6	11.7	6.6	6.9	6.9	7.1	7.1	7.2	11.6	11.3	12.1	4
2.6	2.6	2.6	15.0	14.6	14.7	2.0	2.1	2.1	9.3	9.8	9.8	28.8	27.9	27.9	5
201.3	203.1	(*)	768.4	783.1	(*)	202.0	204.6	(*)	611.4	631.4	(*)	449.9	451.4	(*)	6
187.2	188.6	188.5	725.2	737.9	745.5	194.1	197.0	197.0	580.7	598.5	596.7	420.6	423.7	426.6	7
7.6	7.6	7.6	38.0	38.4	38.5	6.3	6.4	6.4	20.2	20.5	20.5	25.8	25.3	25.2	8
4.2	4.3	4.3	9.8	10.5	10.6	2.3	2.4	2.4	9.4	9.4	9.4	5.2	5.3	5.3	9
7.8	8.0	8.1	33.0	32.9	33.4	6.7	6.9	7.0	24.4	25.6	25.5	14.9	14.2	14.3	10
4.7	5.1	5.1	22.8	23.5	23.7	3.3	3.4	3.4	16.2	16.4	16.4	11.9	12.0	12.0	11
5.1	5.0	5.0	16.1	16.9	17.0	6.7	6.6	6.6	14.0	14.3	14.4	24.8	25.0	25.1	12
102.3	104.9	105.0	441.8	455.1	459.5	90.9	92.2	91.9	285.2	289.6	288.4	336.1	348.5	349.2	13
1.4	1.3	1.3	9.1	9.3	9.3	1.5	1.6	1.6	6.1	6.2	6.2	5.5	6.0	5.9	14
6.0	6.2	6.2	26.3	26.8	27.3	3.8	3.9	3.9	21.0	20.9	20.8	12.0	11.7	11.8	15
10.1	10.3	10.2	37.3	37.8	38.2	8.9	9.2	9.2	23.4	24.2	24.1	15.4	15.3	15.3	16
14.1	14.6	14.7	43.2	45.3	45.5	7.9	8.2	8.2	30.7	31.3	31.3	29.3	29.6	29.4	17
28.5	29.2	29.3	112.7	115.4	117.3	32.8	33.6	33.4	72.5	73.9	74.0	82.5	85.0	85.2	18
1.5	1.5	1.5	10.3	10.7	10.8	2.5	2.7	2.7	7.4	7.6	7.5	18.9	19.2	19.1	19
1.9	1.9	1.9	10.7	11.6	11.7	1.4	1.5	1.5	6.7	7.0	7.0	10.8	11.1	11.1	20
4.9	5.0	5.0	24.2	24.5	24.7	4.9	4.7	4.7	21.4	21.4	21.3	11.9	11.6	11.9	21
4.1	3.9	3.9	13.8	14.3	14.5	1.9	1.9	1.9	8.2	8.4	8.4	11.5	11.9	11.9	22
54.8	55.2	55.1	256.7	263.0	265.1	47.5	49.3	49.1	184.8	191.1	190.3	199.5	204.9	206.4	23
3.7	3.7	3.7	15.7	15.4	15.7	3.5	3.7	3.7	13.1	13.5	13.5	5.3	8.6	8.5	24
10.6	10.5	10.4	41.8	41.9	42.4	17.3	18.3	18.4	31.2	33.2	33.2	26.9	27.7	27.9	25
1.6	1.6	1.5	8.3	8.5	8.6	1.1	1.1	1.1	8.7	9.1	9.1	3.4	3.5	3.5	26
3.6	3.4	3.4	12.1	11.7	11.8	2.5	2.5	2.5	10.2	10.4	10.6	6.5	6.6	6.6	27
2.2	2.1	2.1	12.8	12.7	12.8	1.6	1.7	1.6	8.9	9.2	9.3	10.5	10.3	10.4	28
56.8	58.5	58.6	206.7	212.1	213.5	40.4	41.6	41.7	143.6	150.2	150.0	175.9	177.7	179.2	29
7.0	7.2	7.2	17.4	17.6	17.7	5.6	5.6	5.6	14.1	14.8	14.8	20.5	20.5	20.6	30
8.6	8.9	8.9	38.6	37.8	38.0	8.9	9.0	9.0	31.8	32.4	32.5	23.2	22.9	23.0	31
60.9	64.2	64.3	243.1	255.3	258.8	42.7	46.6	46.9	180.0	182.8	182.9	226.8	222.4	228.0	32
5.8	5.9	5.9	30.8	32.0	32.6	5.8	6.0	6.0	23.0	24.7	23.8	32.4	30.5	30.6	33
22.5	22.7	22.8	80.6	82.7	83.3	19.3	20.9	21.1	65.6	68.5	69.1	52.6	52.6	54.2	34
100.8	95.4	99.2	300.9	298.5	301.1	61.0	61.9	62.2	222.9	224.7	224.6	257.8	255.6	257.6	35
2.5	2.4	2.4	10.6	10.7	10.8	2.5	2.5	2.5	8.5	8.7	8.5	12.7	13.7	13.7	36
8.5	8.5	8.5	34.5	33.5	33.6	9.4	10.1	10.4	24.6	25.5	25.4	47.7	50.4	50.3	37
4.1	4.2	4.3	14.3	14.3	14.5	1.8	1.9	1.9	9.4	9.6	9.4	8.4	8.6	8.6	38
3.2	3.1	3.1	11.4	11.6	11.8	2.2	2.3	2.4	8.7	8.6	8.6	8.9	8.8	8.5	39
2.4	2.3	2.3	11.7	11.2	11.1	3.1	3.2	3.2	6.6	6.6	6.6	9.1	9.1	9.1	40
44.6	36.7	40.5	112.6	113.1	114.0	26.7	26.9	26.9	90.9	92.9	93.0	68.7	70.0	70.1	41
9.4	9.2	9.1	32.9	33.4	33.7	5.8	5.9	5.9	22.0	21.8	21.8	20.7	20.7	20.8	42
17.5	17.9	17.6	79.3	84.1	82.6	14.6	15.0	15.0	64.2	65.9	64.5	77.9	80.0	81.0	43
1.2	1.1	1.1	7.4	7.6	7.7	1.3	1.4	1.4	5.9	6.2	6.3	3.0	3.1	3.2	44
4.6	5.1	5.0	22.2	22.5	23.0	6.6	6.6	6.7	15.7	16.2	16.1	12.8	13.5	13.8	45
77.8	77.2	79.9	373.8	377.4	382.7	80.6	82.3	82.1	291.4	301.0	299.8	377.1	377.0	380.4	46
54.2	53.7	55.6	200.5	202.4	205.3	49.2	50.2	50.1	161.7	166.3	166.1	192.4	190.8	192.3	47
110.7	112.7	112.7	534.0	542.6	547.3	134.8	135.4	135.6	519.2	541.7	540.7	370.6	374.2	376.2	48
66.7	67.4	67.6	300.3	300.4	303.2	93.0	94.4	95.0	322.5	327.7	329.0	191.9	193.1	194.1	49
3.8	4.0	4.0	14.5	14.5	14.7	1.8	1.9	1.9	8.2	8.6	8.7	9.7	9.9	10.0	50
1.9	1.9	1.9	10.8	11.5	11.5	2.3	2.3	2.3	8.8	9.1	9.1	5.7	6.3	6.3	51
3.5	3.6	3.6	19.4	19.6	19.5	3.5	3.6	3.6	13.9	14.1	14.1	15.5	16.1	16.1	52
3.1	3.1	3.2	13.8	14.0	14.1	1.9	1.9	1.9	9.8	10.1	10.1	10.3	10.4	10.4	53
2.5	2.6	2.6	12.0	12.1	12.2	1.7	1.8	1.8	10.0	10.6	10.5	8.0	8.2	8.3	54
8.9	9.0	9.0	44.6	44.5	44.7	10.6	11.0	11.0	37.7	40.4	40.1	43.9	43.5	43.9	55
6.9	6.7	6.6	32.4	32.9	33.2	8.1	8.1	8.1	28.2	29.5	29.4	24.7	25.6	25.8	56
144.7	148.5	149.8	694.0	712.1	718.9	137.6	140.2	140.7	553.7	580.3	581.4	613.3	629.4	634.2	57
2.1	2.2	2.2	17.4	18.2	18.4	3.4	3.6	3.6	17.6	18.1	18.1	42.8	42.9	43.7	58
2.1	2.1	2.1	10.7	10.8	10.9	3.5	3.5	3.5	10.9	11.4	11.4	12.3	12.4	12.5	59
1.8	2.1	2.0	8.7	8.6	8.9	1.1	1.1	1.1	5.9	6.2	6.1	5.0	5.0	5.0	60
61.5	81.2	81.5	335.7	341.5	348.0	80.0	81.5	82.1	298.2	312.7	313.7	256.2	254.1	255.9	61
5.9	6.1	6.1	37.2	37.3	38.2	5.2	5.5	5.5	24.2	26.4	26.4	27.9	28.2	28.0	62
9.4	9.6	9.6	55.8	56.5	57.1	8.3	8.5	8.5	42.7	43.8	43.5	29.4	30.1	30.5	63

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8 Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P
MICHIGAN—Continued												
1 Jackson	49.9	51.4	51.6	(1)	(1)	(1)	1.5	1.9	1.8	15.3	15.7	15.9
2 Kalamazoo—Portage	102.8	106.0	106.1	(1)	(1)	(1)	3.9	4.3	4.1	34.6	35.3	35.6
3 Lansing—East Lansing	178.0	185.2	187.3	(1)	(1)	(1)	5.1	5.5	5.3	40.9	43.2	43.8
4 Muskegon—Norton Shores—Musk. Hts.	58.6	60.3	60.3	(1)	(1)	(1)	2.4	2.7	2.6	22.2	22.4	22.5
5 Saginaw	83.9	89.1	90.4	(1)	(1)	(1)	2.4	2.8	2.6	33.6	37.0	37.4
6 MINNESOTA	1,544.7	1,591.9	1,596.5	15.3	5.6	5.2	68.3	76.9	74.4	319.5	337.0	335.2
7 Duluth—Superior	57.1	56.2	56.3	(1)	(1)	(1)	2.4	2.1	2.1	7.7	7.3	7.3
8 Minneapolis—St. Paul	923.0	958.0	964.4	(1)	(1)	(1)	35.9	40.2	40.1	206.1	217.3	216.6
9 MISSISSIPPI	738.5	773.5	775.2	7.1	7.9	8.0	41.2	44.8	44.4	220.0	230.2	231.0
10 Jackson	123.7	125.7	126.0	1.0	1.1	1.1	7.0	7.3	7.3	18.2	18.2	18.1
11 MISSOURI	1,805.6	1,850.6	1,848.4	8.7	9.4	9.2	72.7	81.7	78.0	429.1	443.7	443.4
12 Kansas City	569.2	582.1	582.0	.6	.6	.6	23.3	24.3	23.2	115.2	120.9	121.0
13 St. Joseph	35.9	36.2	36.7	(3)	(3)	(3)	2.2	1.8	2.0	8.8	9.2	9.4
14 St. Louis	930.0	938.5	938.4	2.7	2.7	2.7	37.8	38.5	36.9	247.1	251.1	249.4
15 Springfield	75.4	77.6	77.9	.1	.1	.1	3.3	3.6	3.4	17.7	17.8	18.2
16 MONTANA	253.4	272.5	(*)	5.6	5.7	(*)	14.5	16.1	(*)	24.5	23.9	(*)
17 Billings	41.5	44.1	(*)	(1)	(1)	(*)	2.5	2.8	(*)	3.8	3.4	(*)
18 Great Falls	26.8	28.8	(*)	(1)	(1)	(*)	1.8	1.9	(*)	1.7	1.6	(*)
19 NEBRASKA	585.7	589.5	589.4	1.9	1.9	1.9	29.3	27.7	26.2	91.5	91.6	90.7
20 Lincoln	92.7	94.5	94.8	-	-	-	4.2	4.1	4.1	13.5	14.3	14.1
21 Omaha	241.5	247.1	247.1	(3)	(3)	(3)	11.6	11.6	10.9	34.7	36.2	36.1
22 NEVADA	287.2	312.8	311.8	3.3	3.5	3.5	15.2	19.0	18.7	13.2	14.1	14.0
23 Las Vegas	157.4	170.4	170.0	.2	.2	.2	7.8	9.7	9.5	5.3	5.6	5.5
24 Reno	83.3	90.0	89.8	.4	.4	.4	5.2	6.6	6.5	5.7	5.9	5.9
25 NEW HAMPSHIRE	317.8	346.2	344.8	.5	.5	.5	15.5	18.9	18.6	96.2	102.8	103.3
26 Manchester	62.4	68.7	69.8	(3)	(3)	(3)	2.9	3.4	3.3	18.1	19.4	19.5
27 Nashua	47.0	50.7	50.1	(3)	(3)	(3)	1.7	2.4	2.4	21.5	22.9	22.2
28 NEW JERSEY	2,774.1	2,841.2	2,851.2	2.7	3.1	3.4	99.4	107.7	107.9	760.6	773.3	773.3
29 Atlantic City	63.2	66.6	65.5	-	-	-	2.9	3.9	3.7	8.5	8.2	8.2
30 Camden	295.6	299.3	302.1	.1	.1	.1	12.9	12.0	12.4	65.7	68.6	68.8
31 Hackensack	362.5	371.9	373.6	(1)	(1)	(1)	13.2	16.8	16.5	105.7	107.3	106.6
32 Jersey City	233.5	230.8	231.2	-	-	-	5.1	4.8	4.9	73.7	75.3	75.2
33 Long Branch—Asbury Park	140.4	145.9	145.8	(1)	(1)	(1)	6.0	6.6	6.5	21.8	23.4	23.3
34 New Bruns.—Perth Amboy—Sayreville	246.2	254.8	256.1	(1)	(1)	(1)	9.2	9.7	9.7	81.1	85.5	84.8
35 Newark	867.8	882.6	888.1	.9	1.1	1.3	30.4	30.4	30.8	240.1	243.7	243.0
36 Paterson—Clifton—Passaic	181.1	184.1	185.1	(1)	(1)	(1)	5.8	5.7	5.7	64.9	65.5	65.0
37 Trenton	152.9	158.2	158.5	(1)	(1)	(1)	3.1	2.9	2.9	37.8	38.7	38.6
38 Vineland—Millville—Bridgeton	52.8	52.6	53.5	(1)	(1)	(1)	1.4	1.4	1.5	19.4	18.6	19.1
39 NEW MEXICO	393.6	422.7	423.8	21.7	23.8	23.9	24.8	30.1	29.8	30.6	32.0	32.2
40 Albuquerque	158.6	168.9	169.2	(1)	(1)	(1)	9.8	12.1	11.8	16.3	16.6	16.8
41 NEW YORK	6,312.6	6,846.1	6,870.3	7.4	7.5	7.4	192.9	190.6	190.5	1,461.4	1,466.5	1,465.8
42 Albany—Schenectady—Troy	312.0	315.3	316.8	(1)	(1)	(1)	10.6	11.0	10.9	62.6	61.7	62.0
43 Binghamton	109.2	112.3	112.8	(1)	(1)	(1)	4.4	5.0	4.8	39.6	40.4	40.6
44 Buffalo	497.3	504.9	505.9	(1)	(1)	(1)	19.2	19.8	19.0	145.2	144.2	143.5
45 Elmira	37.9	37.1	37.3	(1)	(1)	(1)	1.7	1.9	1.8	12.5	11.7	11.6
46 Monroe County	321.8	322.5	324.1	(1)	(1)	(1)	9.4	10.3	9.9	129.2	126.8	127.3
47 Nassau—Suffolk	803.3	820.5	824.3	(1)	(1)	(1)	29.1	28.0	28.6	145.3	149.3	149.6
48 New York—Northeastern New Jersey	6,281.4	6,312.9	6,342.7	3.4	3.6	3.8	173.4	175.4	176.9	1,342.7	1,355.3	1,351.5
49 New York and Nassau—Suffolk	4,390.3	4,388.7	4,408.5	2.0	2.0	2.0	109.7	108.0	109.3	777.1	777.9	776.9
50 New York SMSA	3,587.1	3,568.2	3,584.2	2.0	1.9	1.9	80.7	79.9	80.7	631.9	628.6	627.3
51 New York City	3,196.1	3,166.2	3,180.6	1.7	1.7	1.7	65.6	64.8	65.4	551.4	545.8	544.6
52 Poughkeepsie	86.8	89.1	89.4	(1)	(1)	(1)	2.8	3.5	3.4	28.1	29.1	29.3
53 Rochester	395.1	397.5	399.0	(1)	(1)	(1)	11.4	12.1	11.6	149.7	148.3	148.8
54 Rockland County	72.1	74.7	74.8	(1)	(1)	(1)	1.7	1.6	1.6	14.4	14.8	14.7
55 Syracuse	242.0	250.7	252.8	(1)	(1)	(1)	9.6	10.1	10.7	56.1	58.5	59.1
56 Utica—Rome	111.8	113.4	113.2	(1)	(1)	(1)	3.5	3.8	3.9	30.4	30.5	30.5
57 Westchester County	307.9	316.4	317.9	(1)	(1)	(1)	12.7	13.0	13.1	64.9	66.9	66.8
58 NORTH CAROLINA	2,084.4	2,153.5	2,161.3	4.8	4.9	4.9	103.9	105.1	105.2	771.0	803.1	803.3
59 Asheville	62.5	65.4	64.9	(1)	(1)	(1)	3.2	3.3	3.2	20.2	20.7	20.1
60 Charlotte—Gastonia	280.7	285.4	290.9	(1)	(1)	(1)	14.2	14.8	15.0	80.2	82.5	83.7
61 Greensboro—Winston-Salem—High Pt.	346.3	355.4	357.0	(1)	(1)	(1)	14.9	15.4	15.3	137.8	140.9	141.1

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	
4.4	4.4	4.4	9.9	9.9	10.0	1.5	1.5	1.5	8.7	9.1	9.2	8.6	8.9	8.8	1
3.3	3.5	3.5	19.3	19.7	19.8	3.4	3.5	3.5	17.3	17.9	17.6	21.0	21.8	22.0	2
4.2	4.4	4.4	32.4	33.9	34.1	8.0	8.4	8.5	23.6	24.4	24.3	63.8	65.4	66.9	3
2.9	3.0	3.0	10.7	11.2	11.2	1.7	1.7	1.7	8.5	8.7	8.6	10.2	10.6	10.7	4
3.9	4.1	4.1	17.2	17.5	18.3	3.7	3.8	3.8	11.7	11.9	11.9	11.4	12.0	12.3	5
92.8	94.0	94.2	394.4	408.9	412.5	78.7	80.5	80.3	298.7	310.0	310.4	276.9	279.0	284.3	6
6.8	6.2	6.2	15.3	15.1	15.0	2.1	2.1	2.1	11.5	11.8	11.7	11.5	11.7	11.7	7
58.8	59.2	59.3	236.2	244.3	247.5	57.9	58.7	58.7	186.4	194.6	195.2	141.7	143.8	147.0	8
35.5	36.5	36.6	145.5	153.0	154.5	29.1	30.2	30.2	103.0	108.3	108.0	157.1	162.6	162.7	9
7.6	7.9	7.9	28.2	28.6	29.1	9.6	9.8	9.8	24.5	24.7	24.6	27.7	28.1	28.2	10
126.0	130.7	130.4	429.2	429.5	432.7	94.2	95.8	95.4	324.6	337.0	334.5	321.1	322.8	324.8	11
50.0	51.2	50.9	148.2	148.8	150.9	36.7	37.3	37.5	110.5	112.6	111.4	84.7	86.4	86.5	12
2.6	2.6	2.6	8.6	8.9	9.1	1.8	1.8	1.8	6.3	5.9	5.8	5.6	6.0	6.0	13
63.0	66.1	65.9	210.7	209.7	211.4	49.3	49.8	49.8	183.5	184.0	184.2	135.9	136.6	138.1	14
5.6	5.6	5.7	20.4	21.3	21.4	2.9	3.0	2.9	14.5	15.5	15.5	10.9	10.7	10.7	15
19.1	20.3	(*)	64.2	70.1	(*)	10.7	11.6	(*)	47.9	52.1	(*)	66.9	72.7	(*)	16
3.1	3.3	(*)	14.3	15.8	(*)	1.8	2.0	(*)	7.7	8.1	(*)	8.3	8.7	(*)	17
1.7	2.0	(*)	8.3	8.4	(*)	1.7	1.8	(*)	5.7	7.0	(*)	5.9	6.1	(*)	18
41.9	42.3	42.3	157.1	156.3	157.1	36.4	38.1	38.1	107.8	110.7	110.1	119.9	120.8	122.8	19
6.0	6.0	6.0	20.6	21.0	21.1	6.2	6.4	6.4	16.0	15.9	16.0	26.3	26.8	27.1	20
22.0	22.5	22.5	60.4	60.4	60.8	20.1	21.3	21.3	50.7	52.0	51.6	42.1	43.2	43.9	21
18.1	18.8	18.8	58.9	63.2	63.4	11.7	12.6	12.6	119.0	130.6	129.4	47.8	51.0	51.4	22
10.0	10.4	10.4	32.1	34.3	34.5	6.2	6.8	6.8	75.0	80.6	80.1	20.8	22.8	23.0	23
6.0	6.2	6.2	19.0	20.2	20.4	4.4	4.8	4.8	28.2	31.7	31.3	14.4	14.2	14.3	24
12.2	12.6	12.6	69.1	77.0	77.3	15.4	16.4	16.6	57.0	63.5	61.0	51.9	54.5	54.9	25
3.8	4.1	4.1	14.7	17.2	18.1	4.3	4.7	4.9	11.4	12.1	12.1	7.2	7.8	7.8	26
1.8	1.9	1.8	9.4	9.9	10.1	1.6	1.7	1.7	6.5	7.0	7.0	4.5	4.9	4.9	27
177.2	176.2	178.3	630.0	644.8	651.6	139.4	144.8	144.9	492.0	516.6	512.7	472.8	474.7	479.1	28
3.3	3.5	3.4	16.5	17.3	17.0	4.5	4.9	4.9	14.1	15.1	14.5	13.4	13.7	13.8	29
14.7	14.4	14.4	80.5	81.2	82.5	13.8	14.1	14.0	52.6	53.3	54.3	55.3	55.6	55.6	30
17.9	16.7	17.0	105.8	108.4	110.7	14.0	14.1	14.1	64.9	68.7	68.7	41.0	39.9	40.0	31
30.1	30.2	29.6	43.7	43.2	43.7	8.7	8.9	8.9	29.0	27.7	27.6	43.2	40.7	41.3	32
5.5	5.5	5.5	35.6	35.6	36.6	5.5	6.5	6.4	33.6	34.9	33.6	32.4	33.4	33.7	33
16.6	16.4	16.9	53.5	54.5	55.7	8.7	8.6	8.7	32.8	34.1	34.2	44.3	46.0	46.1	34
63.0	60.0	62.1	169.1	168.1	169.3	59.2	59.9	60.1	164.5	174.3	174.4	140.6	145.1	147.1	35
7.1	6.7	6.8	40.9	41.0	41.7	8.8	9.1	9.2	27.8	27.7	27.9	25.8	28.4	28.8	36
5.2	4.8	4.9	23.5	23.3	23.6	5.8	6.3	6.3	37.8	39.5	39.5	39.7	42.7	42.7	37
3.1	2.9	2.8	8.2	8.3	8.5	2.4	2.4	2.5	7.6	7.9	7.8	10.7	11.1	11.3	38
23.7	25.1	25.1	93.4	98.6	99.5	17.2	17.9	17.9	74.0	81.9	81.7	108.2	113.3	113.7	39
8.6	9.4	9.4	41.4	43.7	44.0	8.6	9.0	9.0	36.7	38.9	38.9	37.2	39.2	39.3	40
429.2	424.4	424.4	1,429.1	1,414.2	1,429.3	574.8	576.4	576.3	1,479.6	1,492.8	1,492.2	1,238.2	1,273.6	1,284.2	41
14.9	14.4	14.4	61.5	61.8	62.1	13.7	13.9	13.9	60.0	61.9	61.9	88.7	90.6	91.7	42
4.2	4.2	4.2	19.4	20.4	20.9	3.5	3.6	3.6	15.3	15.6	15.5	22.8	23.0	23.3	43
27.4	27.0	27.2	110.6	113.1	114.6	20.6	21.5	21.4	89.9	90.4	90.2	84.4	88.8	89.9	44
1.3	1.3	1.3	8.2	8.3	8.4	1.0	1.0	1.0	6.4	6.3	6.3	6.8	6.5	6.7	45
10.1	9.7	9.6	60.4	61.5	61.9	14.2	14.6	14.6	60.3	61.8	62.0	38.3	37.8	38.7	46
35.1	34.9	34.9	214.5	220.0	221.1	44.1	44.9	44.8	170.4	173.8	173.0	164.8	169.6	172.4	47
454.9	441.4	444.1	1,356.1	1,347.6	1,363.9	576.6	578.1	578.8	1,350.4	1,363.8	1,367.1	1,023.9	1,047.7	1,056.6	48
320.3	311.4	311.7	943.0	932.3	942.8	477.2	477.4	477.7	1,031.8	1,031.9	1,034.8	729.0	747.7	753.2	49
285.2	276.6	276.8	728.5	712.3	721.8	433.1	432.6	432.9	861.6	858.2	862.0	564.2	578.1	580.9	50
264.2	255.7	255.9	636.5	618.9	627.2	414.6	413.7	414.0	770.4	764.6	769.2	491.7	501.0	502.5	51
2.9	2.9	2.9	14.7	14.5	14.6	2.5	2.4	2.4	15.6	15.4	15.3	20.3	21.3	21.5	52
12.7	12.3	12.3	76.5	78.2	78.7	15.5	16.1	16.0	70.8	72.0	72.0	58.6	58.5	59.7	53
3.3	3.6	3.7	15.5	15.7	15.8	2.1	2.1	2.1	15.7	16.0	16.0	19.4	20.9	21.0	54
13.9	14.1	14.1	54.3	56.5	56.8	14.3	14.6	14.6	48.0	49.0	49.0	45.9	47.9	48.5	55
3.9	3.8	3.8	20.9	21.3	21.2	5.1	5.4	5.3	19.2	19.6	19.1	28.8	29.1	29.4	56
17.0	16.6	16.6	73.8	75.0	76.0	16.0	16.4	16.5	73.4	75.4	74.7	50.0	53.1	54.2	57
95.0	100.0	100.2	405.9	412.9	417.8	82.0	83.3	83.5	285.0	294.4	294.3	336.8	349.8	352.1	58
3.4	3.5	3.5	12.7	13.1	13.2	2.6	2.8	2.7	10.6	10.5	10.5	9.8	11.5	11.7	59
25.2	26.7	26.6	67.6	68.2	69.1	17.6	18.4	18.5	40.9	42.6	42.4	35.0	32.2	35.6	60
19.7	20.3	20.3	69.4	70.6	71.6	14.5	15.5	15.5	46.6	48.3	48.5	43.4	44.4	44.7	61

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P
NORTH CAROLINA—Continued												
1 Raleigh-Durham	222.1	228.9	230.3	(1)	(1)	(1)	10.9	11.5	11.5	36.5	37.4	37.5
NORTH DAKOTA	221.4	230.4	230.0	2.6	3.0	3.0	17.6	20.3	19.5	16.4	15.7	15.3
3 Fargo-Moorhead	58.3	60.4	60.4	(3)	(3)	(3)	4.3	4.8	4.7	5.2	5.2	5.0
OHIO	4,166.9	4,269.6	4,275.5	28.8	29.1	29.3	163.6	167.9	163.7	1,309.9	1,347.8	1,349.3
4 Akron	253.4	258.0	258.2	.3	.3	.3	7.3	7.3	7.1	83.2	83.9	83.6
5 Canton	147.1	152.1	152.4	.8	.8	.8	6.0	6.1	5.9	53.8	56.5	56.5
6 Cincinnati	549.1	559.5	559.0	.4	.4	.4	23.7	23.8	23.2	159.9	161.5	161.8
7 Cleveland	875.2	886.4	890.1	1.5	1.5	1.5	31.1	31.4	30.5	269.5	273.6	275.1
8 Columbus	465.1	476.6	470.1	.7	.7	.7	18.7	19.0	18.4	95.5	98.8	98.6
9 Dayton	338.1	346.1	348.3	.4	.4	.4	12.1	12.0	11.7	106.5	109.0	109.6
10 Toledo	290.8	300.8	301.0	.6	.6	.6	12.1	12.7	12.4	86.3	89.0	88.4
12 Youngstown-Warren	202.9	210.1	209.5	.3	.3	.3	6.8	6.7	6.4	77.9	83.2	82.2
OKLAHOMA	952.1	995.2	998.7	46.4	51.6	51.7	45.0	48.5	47.6	160.2	166.5	167.6
13 Oklahoma City	321.2	347.4	349.2	10.2	11.5	11.6	15.2	22.3	22.4	42.6	46.9	47.3
15 Tulsa	248.1	256.5	257.2	16.3	16.9	16.8	16.0	15.9	15.9	53.0	54.2	54.3
OREGON	893.2	930.1	928.3	1.4	1.6	1.5	39.6	40.1	38.3	197.5	207.7	204.9
17 Eugene-Springfield	90.1	98.6	99.1	(1)	(1)	(1)	3.8	5.2	5.0	19.8	20.6	20.7
18 Jackson County	-	-	-	-	-	-	-	-	-	7.5	8.2	7.9
19 Portland	471.6	487.0	489.6	(1)	(1)	(1)	20.9	19.9	19.5	97.2	100.3	100.8
20 Salem	74.6	80.5	78.8	(1)	(1)	(1)	3.7	4.3	4.3	13.2	16.1	14.3
PENNSYLVANIA	4,531.2	4,559.3	4,572.1	49.1	48.3	48.2	188.0	200.9	193.3	1,330.0	1,337.6	1,335.9
21 Allentown-Bethlehem-Easton	258.4	258.2	258.0	(1)	(1)	(1)	9.4	9.9	9.4	107.9	108.5	108.4
23 Altoona	51.3	52.8	53.3	(1)	(1)	(1)	2.2	2.4	2.4	12.9	13.4	13.4
24 Delaware Valley	1,513.6	1,506.4	1,515.8	(1)	(1)	(1)	51.1	53.2	52.0	380.8	379.3	380.0
25 Erie	110.1	112.8	112.8	(1)	(1)	(1)	3.2	3.5	3.4	42.2	44.4	44.1
26 Harrisburg	203.8	206.0	205.4	(1)	(1)	(1)	9.1	8.4	8.3	39.3	39.5	39.8
27 Johnstown	89.2	87.0	87.4	9.5	8.9	9.0	3.4	4.5	4.5	21.6	18.7	18.6
28 Lancaster	136.3	140.1	141.5	(1)	(1)	(1)	7.1	7.1	6.9	54.5	56.5	57.1
29 Northeast Pennsylvania	230.4	231.6	231.6	1.2	1.3	1.3	13.5	14.0	13.6	69.5	69.9	70.0
30 Philadelphia SMSA	1,809.0	1,805.3	1,819.0	(1)	(1)	(1)	64.0	65.2	64.4	446.5	447.9	449.0
31 Philadelphia City	809.4	799.7	804.7	(1)	(1)	(1)	17.4	17.3	16.8	159.5	160.1	160.3
32 Pittsburgh	902.5	908.1	905.6	11.7	11.8	11.8	44.1	48.9	46.5	242.4	241.0	239.0
33 Reading	132.3	133.2	133.6	(1)	(1)	(1)	4.5	5.0	4.9	51.1	51.9	52.0
34 Scranton	82.4	82.3	82.9	(1)	(1)	(1)	3.0	2.9	2.9	26.1	26.3	26.4
35 Wilkes-Barre-Hazleton	122.5	123.0	122.8	1.0	1.2	1.1	9.3	9.8	9.4	38.8	38.8	39.2
36 Williamsport	45.1	45.9	46.2	(1)	(1)	(1)	1.4	1.8	1.8	17.4	17.6	17.8
37 York	140.6	143.5	143.8	(1)	(1)	(1)	6.2	6.4	6.5	59.1	60.5	60.3
RHODE ISLAND	377.7	380.2	381.9	(1)	(1)	(1)	13.3	13.4	13.3	127.7	129.0	129.4
39 Providence-Warwick-Pawtucket	389.4	392.9	394.9	(1)	(1)	(1)	13.6	13.9	13.8	143.0	144.0	144.7
SOUTH CAROLINA	1,060.0	1,089.5	1,092.5	1.8	1.8	1.8	62.5	62.0	61.1	374.8	378.4	380.6
41 Charleston-North Charleston	123.6	127.9	128.9	(1)	(1)	(1)	9.7	10.7	10.9	17.6	18.3	18.2
42 Columbia	152.5	161.5	162.8	(1)	(1)	(1)	6.9	7.3	7.3	22.8	24.1	23.9
43 Greenville-Spartanburg	233.3	234.2	235.3	(1)	(1)	(1)	12.6	13.1	12.8	101.6	99.6	100.2
SOUTH DAKOTA	223.1	226.5	(*)	2.6	2.6	(*)	12.7	13.6	(*)	23.2	23.4	(*)
45 Rapid City	25.7	26.6	(*)	(3)	(3)	(*)	2.3	2.3	(*)	2.2	2.4	(*)
46 Sioux Falls	48.4	50.6	(*)	(3)	(3)	(*)	2.6	3.1	(*)	6.9	7.2	(*)
TENNESSEE	1,606.0	1,683.2	1,689.4	9.3	9.3	9.3	78.8	88.0	87.0	490.1	522.2	524.4
47 Chattanooga	161.4	164.6	165.0	1.1	1.0	1.0	6.4	6.8	6.8	55.7	57.2	57.0
49 Knoxville	181.7	187.2	187.2	1.7	1.7	1.7	10.1	12.7	12.6	50.3	51.7	51.7
50 Memphis	334.6	339.9	341.0	.1	.2	.2	15.9	17.2	16.9	58.9	60.8	60.7
51 Nashville-Davidson	323.6	332.0	332.1	(1)	(1)	(1)	17.8	17.8	17.6	78.8	81.1	81.3
TEXAS	4,764.3	4,909.3	4,934.9	141.7	156.6	157.9	320.2	332.6	331.5	871.3	898.2	905.7
53 Amarillo	66.9	68.9	69.1	(1)	(1)	(1)	4.2	4.8	4.8	8.9	8.5	8.6
54 Austin	176.5	185.0	186.0	(1)	(1)	(1)	8.7	9.1	9.1	18.2	19.8	20.0
55 Beaumont-Port Arthur-Orange	137.6	138.0	137.9	(1)	(1)	(1)	14.7	14.4	14.6	41.2	41.9	41.7
56 Corpus Christi	102.7	104.1	104.1	3.7	3.8	3.8	10.8	11.1	11.0	12.4	12.2	12.1
57 Dallas-Fort Worth	1,137.8	1,179.6	1,182.1	12.5	13.3	13.3	50.9	50.7	50.8	249.4	258.1	258.9
58 El Paso	135.9	136.8	137.7	(1)	(1)	(1)	6.4	6.9	6.8	29.4	29.2	29.5
59 Galveston-Texas City	67.5	72.5	72.9	(1)	(1)	(1)	7.7	9.6	9.9	11.9	11.8	11.7
60 Houston	1,112.7	1,178.0	1,186.5	45.9	48.7	48.7	114.0	126.9	126.5	187.4	188.7	193.0
61 Lubbock	81.2	85.7	86.8	(1)	(1)	(1)	4.6	4.4	4.6	12.1	14.7	14.9
62 San Antonio	330.6	336.3	336.1	1.7	1.8	1.8	18.2	19.6	19.6	41.3	43.2	43.2

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	
9.6	10.2	10.1	43.4	44.3	45.0	13.2	13.8	13.8	46.3	48.2	48.5	62.2	63.5	63.9	1
13.4	13.8	13.6	62.5	65.8	66.4	9.2	9.9	9.9	41.8	43.0	42.9	57.9	59.0	59.4	2
3.6	3.7	3.6	17.9	19.0	19.2	3.3	3.5	3.5	12.0	12.3	12.4	12.0	11.9	12.0	3
215.5	215.0	217.7	913.6	929.0	939.4	176.9	181.9	182.0	714.0	754.7	746.4	644.7	644.1	647.8	4
14.1	14.0	14.4	56.2	57.6	58.3	8.5	8.9	8.9	42.7	45.1	44.5	41.1	40.9	41.0	5
7.0	7.0	7.4	31.9	32.5	32.8	5.2	5.5	5.5	25.3	26.0	25.5	17.1	17.7	17.9	6
30.9	31.1	31.2	127.0	130.6	131.9	28.5	28.9	28.8	100.1	105.9	103.9	78.5	77.4	77.7	7
47.0	44.6	45.6	200.6	204.1	206.1	44.2	45.4	45.3	163.0	168.4	167.6	118.4	117.3	118.4	8
22.6	22.8	23.0	113.0	116.0	118.2	30.7	31.9	32.0	85.8	90.6	89.9	98.0	96.8	97.3	9
12.4	12.7	12.6	71.4	72.3	73.3	11.1	11.6	11.6	61.3	64.3	64.4	62.8	63.8	64.6	10
18.9	19.8	19.9	66.5	68.0	69.0	9.2	9.5	9.5	52.5	55.7	55.8	44.7	45.6	45.5	11
9.6	9.4	9.6	44.0	45.4	45.6	6.5	6.6	6.6	33.1	34.0	33.8	24.7	24.6	25.0	12
57.8	59.3	59.2	229.3	238.7	240.6	47.1	49.7	49.7	156.3	165.3	165.7	210.0	215.6	216.6	13
19.6	20.4	20.4	80.8	85.0	86.7	20.3	22.2	22.2	53.5	56.8	57.0	79.0	81.7	81.6	14
18.6	19.5	19.5	59.6	59.6	60.2	13.0	13.4	13.4	46.0	48.7	48.7	25.6	28.3	28.4	15
52.2	54.4	54.4	214.9	223.1	225.2	52.7	56.2	56.4	150.6	159.4	159.4	184.3	187.6	188.2	16
4.6	5.0	4.9	22.2	24.3	24.3	4.2	4.7	4.7	15.1	17.3	17.7	20.4	21.5	21.8	17
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
31.2	33.2	33.3	119.8	123.6	125.4	34.4	37.1	37.5	91.6	96.1	95.5	76.5	76.8	77.6	19
2.5	2.6	2.6	15.2	16.3	16.3	4.2	4.6	4.6	11.7	11.9	11.9	24.1	24.7	24.8	20
253.6	255.1	255.6	939.3	931.1	944.0	211.6	217.5	218.5	846.8	867.3	868.8	712.8	701.3	707.8	21
13.0	13.1	13.3	46.5	45.4	45.5	7.7	7.9	7.9	38.5	39.1	39.1	35.4	34.3	34.4	22
8.0	8.0	8.0	11.7	12.2	12.6	1.4	1.4	1.4	7.8	8.0	8.0	7.3	7.4	7.5	23
81.6	81.8	81.5	319.4	314.0	318.4	96.9	97.7	98.1	343.0	348.9	350.0	240.8	231.5	235.8	24
5.3	5.2	5.2	21.4	20.9	21.4	4.4	4.6	4.6	18.7	18.8	18.8	14.9	15.4	15.3	25
14.6	14.6	14.6	41.9	41.2	41.5	11.0	11.3	11.4	33.0	36.5	34.9	54.9	54.5	54.9	26
5.7	5.7	5.7	16.8	16.7	16.7	3.7	3.8	4.0	14.4	14.9	15.0	14.1	13.8	13.9	27
5.8	6.4	6.3	29.4	30.0	30.5	4.2	4.3	4.4	21.3	21.6	21.9	14.0	14.2	14.4	28
11.7	11.7	11.5	48.7	48.6	48.8	8.8	9.0	9.1	39.6	40.0	39.6	37.4	37.1	37.5	29
96.3	96.2	95.9	399.9	395.1	401.0	110.7	111.8	112.1	395.4	402.0	404.4	296.2	287.1	292.2	30
55.5	55.1	54.5	158.0	153.8	156.4	64.9	64.1	64.5	201.4	203.7	204.2	152.7	145.6	148.0	31
57.6	57.5	57.9	201.6	202.8	204.4	41.3	41.8	41.7	181.3	181.5	181.4	122.5	122.8	122.9	32
6.6	6.5	6.4	24.5	24.4	24.3	5.1	5.4	5.4	21.3	21.4	21.6	19.2	18.6	19.0	33
4.4	4.1	4.0	18.5	18.2	18.5	3.1	3.2	3.2	16.0	16.2	16.5	11.3	11.4	11.4	34
6.0	6.0	5.9	25.7	26.0	25.8	4.9	5.1	5.1	17.3	16.9	16.9	19.5	19.2	19.4	35
2.0	2.0	2.0	8.9	8.9	9.0	1.8	1.9	1.9	7.8	8.0	8.0	5.8	5.7	5.7	36
6.2	6.1	6.0	29.0	29.5	29.9	3.3	3.6	3.6	19.7	20.7	20.6	17.1	16.7	16.9	37
13.7	13.6	13.4	77.0	77.0	78.0	18.4	18.8	18.8	70.6	71.9	72.0	57.0	56.5	57.0	38
13.5	13.5	13.3	79.0	78.9	79.9	18.3	18.7	18.7	68.3	70.4	70.5	53.7	53.5	54.0	39
43.3	45.4	46.2	193.8	205.6	206.0	39.7	41.0	41.0	133.8	142.4	140.0	210.3	212.9	215.8	40
7.0	6.8	6.9	26.2	26.9	27.0	4.9	5.0	4.9	18.6	19.9	19.9	39.6	40.3	41.1	41
8.0	8.6	8.6	31.6	35.2	35.9	11.6	12.6	12.8	22.6	23.2	23.3	49.0	50.5	51.0	42
9.1	9.4	9.5	42.1	42.4	42.8	8.0	8.1	8.1	31.8	32.8	32.7	28.1	28.8	29.2	43
12.2	11.9	(*)	60.8	61.3	(*)	9.8	10.1	(*)	45.6	49.0	(*)	56.2	55.2	(*)	44
1.6	1.6	(*)	7.3	7.9	(*)	1.3	1.2	(*)	5.4	5.8	(*)	5.6	5.4	(*)	45
4.3	4.2	(*)	15.5	15.8	(*)	2.5	2.6	(*)	10.3	11.5	(*)	6.3	6.2	(*)	46
74.8	77.2	76.4	350.5	359.2	363.7	71.4	72.9	72.5	242.4	253.8	252.2	288.7	300.6	303.9	47
6.3	6.2	6.2	30.6	30.9	31.1	8.3	8.0	8.0	24.7	25.2	25.3	28.3	29.3	29.6	48
7.4	7.5	7.5	38.5	39.0	39.2	6.8	7.0	7.0	27.1	27.6	27.6	39.8	40.0	39.9	49
22.4	22.5	22.5	89.8	89.0	90.6	18.4	18.6	18.4	64.1	66.1	66.0	65.0	65.5	65.7	50
16.8	17.6	17.6	70.6	74.8	74.8	20.0	19.9	19.9	63.6	63.4	62.7	56.0	57.4	58.2	51
292.5	303.9	303.9	1,184.2	1,198.6	1,206.6	259.9	269.1	269.2	827.9	871.0	876.4	866.6	879.3	883.7	52
6.4	6.7	6.8	20.3	20.8	20.8	3.1	3.3	3.3	12.6	12.7	12.7	11.4	12.1	12.1	53
5.6	5.9	5.9	36.0	38.0	38.2	9.8	9.8	9.9	29.2	31.3	31.6	69.0	71.1	71.3	54
10.1	9.8	9.8	28.2	28.0	28.0	4.9	5.1	5.1	20.4	20.2	20.2	18.1	18.6	18.5	55
5.4	5.8	5.9	26.3	26.5	26.5	4.8	5.2	5.2	16.5	17.0	17.0	22.8	22.5	22.6	56
75.5	78.9	78.5	313.2	325.1	327.5	82.7	88.0	88.4	198.8	209.0	207.2	154.8	156.5	157.5	57
9.6	9.0	9.1	34.1	34.6	34.6	6.2	6.4	6.5	21.8	22.6	22.9	28.4	28.1	28.3	58
5.1	5.9	6.0	11.8	12.7	12.8	4.3	4.6	4.6	10.2	10.8	10.7	16.5	17.1	17.2	59
78.8	83.9	83.9	278.5	297.4	299.0	63.4	65.7	66.5	214.1	230.8	232.7	130.6	135.9	136.2	60
4.6	4.8	4.9	24.6	25.6	26.1	3.7	3.9	3.9	14.8	15.2	15.3	16.8	17.1	17.1	61
14.3	14.8	14.8	82.0	81.8	81.8	21.4	22.9	22.9	61.3	62.9	62.9	90.4	89.3	89.1	62

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

State and area	Total			Mining			Contract construction			Manufacturing		
	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P
TEXAS—Continued												
1 Waco	61.6	63.5	63.5	(1)	(1)	(1)	2.8	3.3	3.2	14.5	14.8	14.8
2 Wichita Falls	45.8	47.7	47.6	2.2	2.3	2.3	2.8	2.8	2.8	7.4	8.4	8.4
UTAH												
3 Salt Lake City—Ogden	478.3	(*)	(*)	14.5	(*)	(*)	29.8	(*)	(*)	73.2	(*)	(*)
4	341.1	(*)	(*)	6.6	(*)	(*)	20.4	(*)	(*)	48.5	(*)	(*)
VERMONT ¹⁴												
5 Burlington	170.6	181.4	178.5	.8	.7	.7	8.5	9.7	8.8	41.7	44.3	44.6
6	45.1	47.8	47.8	-	-	-	-	-	-	10.2	11.0	11.0
7 Springfield	12.4	13.4	13.3	-	-	-	-	-	-	5.2	5.5	5.6
VIRGINIA ¹⁴												
8 Bristol	1,884.1	1,947.6	1,955.9	22.1	22.6	22.8	113.4	119.2	117.3	396.2	408.0	408.2
9 Lynchburg	25.3	25.7	25.7	(1)	(1)	(1)	1.0	1.0	1.0	8.7	8.7	8.6
10 Newport News—Hampton	62.7	63.2	63.4	(1)	(1)	(1)	2.9	3.0	2.9	27.5	28.3	28.2
11 Norfolk—Virginia Beach—Portsmouth	134.2	138.7	139.3	(1)	(1)	(1)	6.8	7.7	7.5	32.6	34.9	35.0
12 Northern Virginia ¹⁶	253.6	257.6	258.1	(1)	(1)	(1)	15.8	16.4	15.9	26.6	28.1	27.7
13 Petersburg—Colonial Hts.—Hopewell	362.3	375.6	376.9	.3	.4	.4	23.2	25.1	24.4	13.8	14.2	14.2
14 Richmond	43.9	44.6	45.0	(1)	(1)	(1)	2.3	2.5	2.5	12.5	12.4	12.6
15 Roanoke	288.7	298.5	299.1	.3	.3	.3	16.4	18.9	18.7	51.7	52.3	52.6
16	98.5	99.2	99.6	.2	.2	.2	5.4	5.7	5.5	21.2	21.1	21.2
WASHINGTON												
17 Seattle—Everett	1,301.3	1,357.4	1,360.4	2.1	2.2	2.2	72.4	85.0	82.2	252.4	255.6	253.6
18 Spokane	604.5	628.7	630.0	(1)	(1)	(1)	28.2	35.9	34.8	120.9	115.2	114.4
19 Tacoma	110.1	114.7	115.6	(1)	(1)	(1)	5.4	6.6	7.0	15.1	16.0	15.9
20	121.3	126.2	126.5	(1)	(1)	(1)	5.8	6.8	6.5	20.2	21.0	21.0
WEST VIRGINIA												
21 Charleston	606.7	621.7	623.8	70.6	74.4	75.9	37.4	39.1	37.7	126.2	127.2	126.3
22 Huntington—Ashland	104.0	103.3	103.7	6.1	6.2	6.2	6.7	6.1	6.1	19.3	19.0	19.0
23 Parkersburg—Marietta	98.4	96.4	95.9	.8	.8	.8	6.0	5.5	5.3	28.7	27.7	26.7
24 Wheeling	52.5	52.1	51.9	.4	.4	.4	2.6	2.3	2.3	16.7	16.1	15.8
25	64.1	65.1	64.9	8.4	8.4	8.4	2.9	2.3	2.2	13.3	14.8	14.6
WISCONSIN												
26 Appleton—Oshkosh	1,760.5	1,832.4	1,834.6	2.7	2.5	2.4	72.4	83.6	81.3	509.9	529.9	532.2
27 Green Bay	110.6	111.2	111.1	(1)	(1)	(1)	5.4	5.0	4.9	40.5	42.6	42.6
28 Kenosha	69.0	71.8	71.4	(1)	(1)	(1)	3.7	3.8	3.7	20.1	21.3	21.1
29 La Crosse	36.0	41.0	40.9	(1)	(1)	(1)	1.0	1.0	1.0	11.8	16.3	16.1
30 Madison	36.9	38.6	38.7	(1)	(1)	(1)	1.3	1.4	1.4	8.9	9.2	9.1
31 Milwaukee	149.4	154.6	154.7	(1)	(1)	(1)	6.2	7.1	6.8	17.6	17.9	18.0
32 Racine	619.9	630.2	634.4	(1)	(1)	(1)	21.9	23.8	23.6	198.0	201.9	203.2
33	63.9	66.4	66.7	(1)	(1)	(1)	1.7	1.9	1.9	26.8	27.5	27.7
WYOMING												
34 Casper	158.0	174.1	172.0	22.1	25.1	25.5	15.5	18.6	17.8	8.7	9.1	8.7
35 Cheyenne	28.1	30.4	31.0	5.0	5.4	5.5	2.3	2.7	2.6	1.7	1.8	1.8
36	23.9	24.9	24.9	(1)	(1)	(1)	1.5	1.7	1.7	1.5	1.4	1.4

¹ Combined with services.

² Based on the 1967 Standard Industrial Classification Manual.

³ Combined with construction.

⁴ Area included in Chicago-Gary Standard Consolidated Statistical Area.

⁵ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.

⁶ Subarea of New York—Northeastern New Jersey.

⁷ Subarea of Rochester Standard Metropolitan Statistical Area.

⁸ Area included in New York and Nassau—Suffolk combined SMSA's.

⁹ Subarea of New York Standard Metropolitan Statistical Area.

¹⁰ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.

¹¹ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Philadelphia County.

¹² Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

¹³ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.

¹⁴ Revised to 1977 benchmark; not strictly comparable with previously published data.

¹⁵ Total includes data for industry divisions not shown separately.

¹⁶ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.

P=preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
STATE AND AREA EMPLOYMENT**

B-8. Employees on nonagricultural payrolls for States and selected areas, by industry division—Continued

(In thousands)

Transportation and public utilities			Wholesale and retail trade			Finance, insurance, and real estate			Services			Government			
NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	
3.0	3.0	3.0	14.1	14.6	14.8	3.6	3.6	3.6	12.8	13.4	13.3	10.8	10.8	10.8	1
2.2	2.3	2.3	11.5	11.8	11.9	2.0	2.1	2.1	6.8	6.9	6.9	10.9	11.1	10.9	2
28.5	(*)	(*)	117.0	(*)	(*)	21.2	(*)	(*)	79.1	(*)	(*)	115.1	(*)	(*)	3
22.7	(*)	(*)	86.7	(*)	(*)	17.5	(*)	(*)	53.1	(*)	(*)	85.7	(*)	(*)	4
8.2	8.4	8.4	35.7	38.0	37.6	6.8	7.1	7.1	36.9	40.8	38.9	32.1	32.6	32.6	5
2.0	2.1	2.0	9.8	10.1	10.2	-	-	-	9.6	10.3	10.1	-	-	-	6
.7	.7	.8	2.0	2.2	2.1	-	-	-	2.2	2.6	2.5	-	-	-	7
104.9	106.9	107.9	402.1	406.6	412.9	87.2	91.0	91.4	315.3	330.5	327.8	442.9	462.8	467.6	8
.9	.9	.9	6.2	6.2	6.3	.9	.9	.9	3.4	3.5	3.5	4.2	4.5	4.5	9
2.7	2.5	2.5	10.2	9.8	10.1	2.7	2.7	2.8	8.1	8.4	8.4	8.6	8.5	8.5	10
4.4	4.5	4.8	25.3	24.8	25.1	4.4	4.5	4.4	24.2	24.9	24.8	36.5	37.4	37.7	11
17.7	16.7	16.6	61.9	63.3	64.2	12.8	13.0	12.8	43.3	43.8	43.6	75.5	76.3	77.3	12
25.4	25.8	25.8	87.6	90.1	91.7	21.2	23.2	23.1	82.8	87.1	87.0	108.0	109.7	110.3	13
1.4	1.4	1.4	8.1	8.1	8.1	1.1	1.2	1.2	5.3	5.5	5.6	13.2	13.5	13.6	14
17.5	18.2	18.2	68.0	69.3	70.4	22.5	23.0	23.0	49.6	51.9	51.0	62.7	64.6	64.9	15
10.0	10.0	9.9	24.2	23.5	24.0	5.4	5.4	5.4	18.1	17.9	17.8	14.0	15.4	15.6	16
76.0	78.8	78.7	315.8	331.2	332.3	69.0	75.4	75.4	233.2	249.0	250.2	280.4	280.2	285.8	17
43.1	45.2	45.1	150.2	157.8	159.4	41.5	45.1	45.2	111.2	120.2	119.9	109.4	109.3	111.2	18
7.4	7.7	7.7	31.0	31.5	32.2	6.9	7.6	7.4	24.4	25.7	25.5	19.9	19.6	19.9	19
6.0	5.9	5.9	29.2	29.3	29.5	5.6	6.0	6.0	24.8	26.0	26.0	29.7	31.2	31.6	20
39.4	40.9	41.1	119.8	122.0	123.9	18.5	18.8	18.9	85.2	87.0	87.4	109.5	112.2	112.6	21
8.7	8.5	8.5	23.3	23.4	23.8	4.5	4.5	4.5	17.2	17.1	17.2	18.3	18.5	18.5	22
9.2	9.4	9.4	20.1	20.1	20.2	3.3	3.4	3.4	13.3	12.5	13.0	16.9	17.0	17.0	23
2.3	2.3	2.4	11.5	11.6	11.7	1.7	1.8	1.8	8.1	7.9	7.8	9.3	9.7	9.8	24
3.6	3.7	3.7	13.7	13.6	13.7	2.4	2.4	2.5	12.3	12.3	12.3	7.6	7.6	7.6	25
84.0	87.0	86.3	405.8	421.2	425.2	78.1	80.7	80.8	313.4	331.5	329.7	294.2	295.9	296.0	26
4.1	4.0	4.0	24.0	22.8	23.0	4.2	4.4	4.4	17.3	17.6	17.5	15.2	14.8	14.8	27
4.6	4.5	4.5	16.2	16.6	16.4	2.0	2.4	2.4	12.6	13.2	13.3	9.7	10.1	10.1	28
1.5	1.6	1.6	8.1	8.2	8.2	.8	.8	.8	6.9	7.2	7.2	5.9	5.9	5.9	29
2.2	2.1	2.2	9.9	10.3	10.4	.9	1.0	1.0	7.8	8.3	8.2	6.0	6.3	6.3	30
5.4	5.4	5.4	32.7	33.8	34.6	9.5	10.2	10.4	25.7	26.6	26.1	52.3	53.5	53.4	31
31.1	32.5	32.6	138.0	136.8	139.4	33.3	33.3	33.5	120.9	126.3	126.3	76.7	75.6	75.9	32
2.3	2.4	2.4	12.5	13.0	13.0	1.7	1.8	1.9	10.2	10.9	10.8	8.6	8.9	9.0	33
12.8	13.4	13.3	34.8	38.3	37.7	5.3	5.9	5.9	21.6	23.6	23.3	37.2	40.0	39.8	34
2.1	2.2	2.8	7.2	7.8	7.9	1.2	1.4	1.4	4.0	4.3	4.3	4.6	4.8	4.8	35
3.2	3.6	3.6	5.5	6.1	6.1	1.3	1.4	1.3	4.2	4.1	4.0	6.7	6.6	6.7	36

PUBLICATIONS

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ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^p	Dec. 1977 ^p	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^p	Dec. 1977 ^p
-	TOTAL PRIVATE	\$180.50	\$182.73	\$195.48	\$194.76	\$195.84	\$5.00	\$5.02	\$5.40	\$5.41	\$5.41
-	MINING	288.63	293.23	319.31	319.24	286.21	6.62	6.71	7.08	7.11	6.61
10	METAL MINING	284.49	287.70	306.00	307.22	-	6.99	7.00	7.50	7.53	-
101	Iron ores	315.44	317.09	338.07	342.29	-	7.37	7.34	7.58	7.49	-
102	Copper ores	276.48	275.12	295.62	295.62	-	7.20	7.24	7.80	7.80	-
11,12	COAL MINING	333.66	337.43	378.82	381.00	-	8.04	8.23	8.59	8.62	-
12	Bituminous coal and lignite mining	334.91	339.07	380.14	382.33	-	8.07	8.27	8.62	8.65	-
13	OIL AND GAS EXTRACTION	272.05	277.94	296.67	296.03	-	5.94	5.99	6.38	6.38	-
131,2	Crude petroleum and natural gas fields	278.04	283.41	306.25	302.40	-	6.62	6.70	7.24	7.20	-
138	Oil and gas field services	268.94	274.83	292.22	294.27	-	5.65	5.69	6.05	6.08	-
14	NONMETALLIC MINERALS, EXCEPT										
	FUELS	245.20	248.04	272.71	268.34	-	5.56	5.65	6.02	6.03	-
142	Crushed and broken stone	237.98	233.20	269.35	262.61	-	5.36	5.30	5.83	5.81	-
-	CONTRACT CONSTRUCTION	289.25	289.98	310.20	299.21	297.10	7.86	7.88	8.25	8.22	8.23
15	GENERAL BUILDING CONTRACTORS	279.83	280.64	296.24	290.88	-	7.73	7.71	8.05	8.08	-
16	HEAVY CONSTRUCTION CONTRACTORS	283.75	273.79	314.00	284.99	-	7.22	7.13	7.64	7.48	-
161	Highway and street construction	275.41	263.12	314.07	272.88	-	6.99	6.87	7.46	7.20	-
162	Heavy construction, nec	290.82	281.44	313.58	295.29	-	7.40	7.31	7.82	7.71	-
17	SPECIAL TRADE CONTRACTORS	297.56	301.86	316.46	310.54	-	8.22	8.27	8.67	8.65	-
171	Plumbing, heating, air conditioning	317.60	322.18	336.04	328.10	-	8.38	8.39	8.82	8.82	-
172	Painting, paper hanging, decorating	266.64	277.39	281.87	275.95	-	7.64	7.77	8.17	8.14	-
173	Electrical work	344.13	350.10	361.95	355.67	-	9.08	9.07	9.55	9.51	-
174	Masonry, stonework, and plastering	264.23	256.10	286.76	283.86	-	8.13	8.13	8.56	8.55	-
176	Roofing and sheetmetal work	245.92	246.21	266.22	251.14	-	7.59	7.67	7.83	7.68	-
-	MANUFACTURING	215.20	220.05	234.09	235.89	240.08	5.34	5.42	5.78	5.81	5.87
19,24,25,32-39	DURABLE GOODS	232.31	238.71	255.03	256.47	261.46	5.68	5.78	6.19	6.21	6.27
20-23,26-31	NONDURABLE GOODS	190.70	194.53	204.22	206.84	208.95	4.84	4.90	5.17	5.21	5.25
	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	243.98	251.68	258.85	260.18	268.09	5.98	6.05	6.36	6.44	6.46
192	Ammunition, except for small arms	250.71	256.27	259.24	257.13	273.73	6.16	6.19	6.53	6.61	6.66
1925	Complete guided missiles	279.86	287.54	290.40	288.86	-	6.76	6.83	7.26	7.35	-
1929	Ammunition, exc. for small arms, nec.	197.79	200.10	211.04	209.12	-	5.02	4.99	5.37	5.46	-
24	LUMBER AND WOOD PRODUCTS	193.91	197.15	211.29	209.32	208.00	4.86	4.88	5.23	5.22	5.20
242	Sawmills and planing mills	191.43	197.83	213.52	210.12	210.71	4.75	4.79	5.17	5.15	5.19
2421	Sawmills and planing mills, general	200.38	207.00	224.64	220.04	-	4.96	5.00	5.40	5.38	-
243	Millwork, plywood and related products	201.30	203.11	215.61	215.74	216.68	5.02	5.04	5.35	5.38	5.39
2431	Millwork	190.48	193.43	205.65	206.19	-	4.81	4.86	5.18	5.22	-
2432	Veneer and plywood	217.71	220.37	239.62	237.89	-	5.31	5.31	5.76	5.76	-
244	Wooden containers	140.46	139.01	150.54	149.00	154.45	3.62	3.62	3.87	3.86	3.91
2441,2	Wooden boxes, shooks, and crates	137.98	138.13	144.76	143.26	-	3.52	3.56	3.76	3.77	-
249	Miscellaneous wood products	159.18	161.99	172.48	174.50	177.51	4.04	4.07	4.28	4.33	4.34
25	FURNITURE AND FIXTURES	157.92	162.31	175.16	175.87	180.95	4.07	4.13	4.39	4.43	4.49
251	Household furniture	147.46	152.10	165.15	165.06	(*)	3.84	3.91	4.16	4.20	(*)
2511	Wood household furniture	141.87	146.10	156.77	157.99	-	3.61	3.68	3.89	3.93	-
2512	Upholstered household furniture	152.89	160.44	174.27	172.97	-	4.11	4.20	4.48	4.54	-
2515	Mattresses and bedsprings	160.45	162.87	187.54	185.67	-	4.42	4.45	4.76	4.81	-
252	Office furniture	196.24	196.82	205.58	210.08	-	4.74	4.72	4.93	4.99	-
254	Partitions and fixtures	194.74	199.30	213.99	214.52	-	4.93	4.97	5.31	5.31	-
253,9	Other furniture and fixtures	175.28	179.27	196.00	197.29	(*)	4.46	4.55	4.90	4.92	(*)
32	STONE, CLAY, AND GLASS PRODUCTS	225.09	225.91	245.86	247.87	246.10	5.45	5.47	5.91	5.93	5.93
321	Flat glass	283.92	291.54	315.67	323.57	-	6.76	6.78	7.57	7.56	-
322	Glass and glassware, pressed or blown	226.55	229.04	237.34	246.62	247.82	5.58	5.60	6.07	6.15	6.18
3221	Glass containers	232.64	237.72	241.42	254.16	-	5.73	5.77	6.32	6.37	-
3229	Pressed and blown glass, nec	216.68	215.74	230.92	235.71	-	5.35	5.34	5.73	5.82	-
324	Cement, hydraulic	312.33	309.92	341.43	343.51	(*)	7.49	7.45	8.11	8.14	(*)
325	Structural clay products	181.63	182.10	194.99	198.02	197.96	4.43	4.42	4.71	4.76	4.77
3251	Brick and structural clay tile	163.51	162.66	176.82	177.65	-	3.94	3.91	4.21	4.25	-
326	Pottery and related products	185.18	189.37	201.96	202.24	-	4.70	4.77	5.10	5.12	-
327	Concrete, gypsum, and plaster products	230.66	225.96	257.98	254.04	244.49	5.44	5.38	5.89	5.84	5.78
328,9	Other stone and nonmetallic mineral products	218.00	220.04	235.25	238.63	(*)	5.33	5.38	5.71	5.75	(*)
3291	Abrasive products	214.25	215.74	226.55	237.72	-	5.29	5.38	5.58	5.66	-

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^p	Dec. 1977 ^p	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^p	Dec. 1977 ^p
-	TOTAL PRIVATE	36.1	36.4	36.2	36.0	36.2	-	-	-	-	-
-	MINING	43.6	43.7	45.1	44.9	43.3	-	-	-	-	-
10	METAL MINING	40.7	41.1	40.8	40.8	-	-	-	-	-	
101	Iron ores	42.8	43.2	44.6	45.7	-	-	-	-	-	
102	Copper ores	38.4	38.0	37.9	37.9	-	-	-	-	-	
11,12	COAL MINING	41.5	41.0	44.1	44.2	-	-	-	-	-	
12	Bituminous coal and lignite mining	41.5	41.0	44.1	44.2	-	-	-	-	-	
13	OIL AND GAS EXTRACTION	45.8	46.4	46.5	46.4	-	-	-	-	-	
131,2	Crude petroleum and natural gas fields	42.0	42.3	42.3	42.0	-	-	-	-	-	
138	Oil and gas field services	47.6	48.3	48.3	48.4	-	-	-	-	-	
14	NONMETALLIC MINERALS, EXCEPT FUELS	44.1	43.9	45.3	44.5	-	-	-	-	-	
142	Crushed and broken stone	44.4	44.0	46.2	45.2	-	-	-	-	-	
-	CONTRACT CONSTRUCTION	36.8	36.8	37.6	36.4	36.1	-	-	-	-	
15	GENERAL BUILDING CONTRACTORS	36.2	36.4	36.8	36.0	-	-	-	-	-	
16	HEAVY CONSTRUCTION CONTRACTORS	39.3	38.4	41.1	38.1	-	-	-	-	-	
161	Highway and street construction	39.4	38.3	42.1	37.9	-	-	-	-	-	
162	Heavy construction, nec	39.3	38.5	40.1	38.3	-	-	-	-	-	
17	SPECIAL TRADE CONTRACTORS	36.2	36.5	36.5	35.9	-	-	-	-	-	
171	Plumbing, heating, air conditioning	37.9	38.4	38.1	37.2	-	-	-	-	-	
172	Painting, paper hanging, decorating	34.9	35.7	34.5	33.9	-	-	-	-	-	
173	Electrical work	37.9	38.6	37.9	37.4	-	-	-	-	-	
174	Masonry, stonework, and plastering	32.5	31.5	33.5	33.2	-	-	-	-	-	
176	Roofing and sheetmetal work	32.4	32.1	34.0	32.7	-	-	-	-	-	
-	MANUFACTURING	40.3	40.6	40.5	40.6	40.9	3.2	3.3	3.6	3.6	
19,24,25,32-39	DURABLE GOODS	40.9	41.3	41.2	41.3	41.7	3.3	3.5	3.9	3.8	
20,23,26-31	NONDURABLE GOODS	39.4	39.7	39.5	39.7	39.8	3.0	3.1	3.3	3.2	
-	DURABLE GOODS										
19	ORDNANCE AND ACCESSORIES	40.8	41.6	40.7	40.4	41.5	2.7	2.9	2.8	2.9	
192	Ammunition, except for small arms	40.1	41.4	39.7	38.9	41.1	2.8	2.8	2.5	2.4	
1925	Complete guided missiles	41.4	42.1	40.0	39.3	-	-	-	-	-	
1929	Ammunition, exc. for small arms, nec	39.4	40.1	39.3	38.3	-	-	-	-	-	
24	LUMBER AND WOOD PRODUCTS	39.9	40.4	40.4	40.1	40.0	3.5	3.6	4.2	3.8	
242	Sawmills and planing mills	40.3	41.3	41.3	40.8	40.6	3.9	4.3	4.8	4.4	
2421	Sawmills and planing mills, general	40.4	41.4	41.6	40.9	-	-	-	-	-	
243	Millwork, plywood and related products	40.1	40.3	40.3	40.1	40.2	3.3	3.3	3.8	3.5	
2431	Millwork	39.6	39.8	39.7	39.5	-	-	-	-	-	
2432	Veneer and plywood	41.0	41.5	41.6	41.3	-	-	-	-	-	
244	Wooden containers	38.8	38.4	38.9	38.6	39.5	2.4	2.2	3.2	2.7	
2441,2	Wooden boxes, shooks, and crates	39.2	38.8	38.5	38.0	-	-	-	-	-	
249	Miscellaneous wood products	39.4	39.8	40.3	40.3	40.9	3.3	3.4	3.7	3.6	
25	FURNITURE AND FIXTURES	38.8	39.3	39.9	39.7	40.3	2.0	2.2	2.9	2.7	
251	Household furniture	38.4	38.9	39.7	39.3	(*)	1.9	2.2	2.8	2.6	
2511	Wood household furniture	39.3	39.7	40.3	40.2	-	2.2	2.5	3.4	3.2	
2512	Upholstered household furniture	37.2	38.2	38.9	38.1	-	-	-	-	-	
2515	Mattresses and bedsprings	36.3	36.6	39.4	38.6	-	-	-	-	-	
252	Office furniture	41.4	41.7	41.7	42.1	-	3.3	2.9	3.4	3.8	
254	Partitions and fixtures	39.5	40.1	40.3	40.4	-	2.3	2.4	3.2	3.0	
253,9	Other furniture and fixtures	39.3	39.4	40.0	40.1	(*)	1.7	1.8	2.3	2.4	
32	STONE, CLAY, AND GLASS PRODUCTS	41.3	41.3	41.6	41.8	41.5	4.2	3.9	5.0	4.8	
321	Flat glass	42.0	43.0	41.7	42.8	-	6.4	5.7	7.1	7.0	
322	Glass and glassware, pressed or blown	40.6	40.9	39.1	40.1	40.1	4.2	3.9	3.8	4.0	
3221	Glass containers	40.6	41.2	38.2	39.9	-	-	-	-	-	
3229	Pressed and blown glass, nec	40.5	40.4	40.3	40.5	-	3.1	2.6	3.2	3.3	
324	Cement, hydraulic	41.7	41.6	42.1	42.2	(*)	3.0	2.8	4.0	4.1	
325	Structural clay products	41.0	41.2	41.4	41.6	41.5	4.0	3.7	4.4	4.4	
3251	Brick and structural clay tile	41.5	41.6	42.0	41.8	-	-	-	-	-	
326	Pottery and related products	39.4	39.7	39.6	39.5	-	2.6	2.2	2.7	2.6	
327	Concrete, gypsum, and plaster products	42.4	42.0	43.8	43.5	42.3	5.4	4.7	7.0	6.4	
328,9	Other stone and nonmetallic mineral products	40.9	40.9	41.2	41.5	(*)	3.4	3.3	3.8	3.8	
3291	Abrasives products	40.5	40.1	40.6	42.0	-	-	-	-	-	

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers ¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^p	Dec. 1977 ^p	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^p	Dec. 1977 ^p
	DURABLE GOODS—Continued										
33	PRIMARY METAL INDUSTRIES	\$279.68	\$283.50	\$317.29	\$320.12	\$324.06	\$6.94	\$7.00	\$7.72	\$7.77	\$7.79
331	Blast furnace and basic steel products	306.15	308.11	351.60	354.40	(*)	7.85	7.88	8.79	8.86	(*)
3312	Blast furnaces and steel mills	310.34	313.50	358.89	360.76	—	8.04	8.08	9.04	9.11	—
332	Iron and steel foundries	262.48	268.36	290.37	295.40	300.73	6.34	6.42	6.93	7.00	7.01
3321	Gray iron foundries	271.88	276.54	303.16	307.28	—	6.52	6.60	7.15	7.23	—
3322	Malleable iron foundries	264.49	280.71	292.41	299.01	—	6.73	6.83	7.22	7.24	—
3323	Steel foundries	237.22	243.28	255.43	262.91	—	5.73	5.82	6.23	6.32	—
333,4	Nonferrous metals	286.49	287.87	326.83	330.30	327.89	6.92	6.92	7.69	7.79	7.77
3334	Primary aluminum	316.57	315.29	364.73	366.54	—	7.74	7.69	8.81	8.94	—
335	Nonferrous rolling and drawing	257.23	258.32	289.91	293.68	300.67	6.11	6.18	6.87	6.91	6.96
3351	Copper rolling and drawing	254.10	255.59	277.56	272.39	—	6.05	6.10	6.44	6.32	—
3352	Aluminum rolling and drawing	267.30	271.79	318.36	324.78	—	6.26	6.38	7.58	7.66	—
3357	Nonferrous wire drawing and insulating	255.40	252.15	276.36	280.63	—	6.11	6.15	6.58	6.65	—
336	Nonferrous foundries	214.93	221.81	239.85	244.50	247.76	5.32	5.41	5.85	5.92	5.97
3361	Aluminum castings	219.65	227.42	250.06	257.49	—	5.41	5.52	5.04	6.16	—
3362,9	Other nonferrous castings	209.96	215.42	226.95	227.36	—	5.21	5.28	5.59	5.60	—
339	Miscellaneous primary metal products	264.40	273.91	206.08	309.54	(*)	6.66	6.73	7.34	7.37	(*)
3391	Iron and steel forgings	283.51	289.58	330.96	333.80	—	7.07	7.15	7.88	7.91	—
34	FABRICATED METAL PRODUCTS	226.73	231.54	247.20	249.04	251.03	5.53	5.62	6.00	6.03	6.02
341	Metal cans	302.02	307.71	336.04	311.25	(*)	7.04	7.09	7.62	7.61	(*)
342	Cutlery, hand tools, and hardware	220.30	227.29	238.96	245.02	(*)	5.36	5.49	5.80	5.89	(*)
3421,3,5	Cutlery and hand tools, incl. saws	202.13	205.50	214.43	214.90	—	4.93	5.00	5.23	5.28	—
3429	Hardware, nec	232.78	241.53	255.02	264.59	—	5.65	5.82	6.16	6.27	—
343	Plumbing and heating, except electric	203.50	205.63	213.33	215.34	223.86	5.00	5.04	5.32	5.37	5.46
3431,2	Sanitary ware and plumbers' brass goods	200.59	199.29	212.91	212.61	—	5.04	5.02	5.39	5.41	—
3433	Heating equipment, except electric	205.84	211.00	214.08	218.00	—	4.96	5.06	5.26	5.33	—
344	Fabricated structural metal products	222.63	226.46	233.11	236.29	—	5.47	5.51	5.77	5.82	—
3441	Fabricated structural steel	238.78	246.23	243.76	247.85	—	5.74	5.78	6.14	6.15	—
3442	Metal doors, sash, and trim	172.43	177.30	179.95	184.54	—	4.41	4.50	4.51	4.66	—
3443	Fabricated plate work (boiler shops)	242.49	247.10	257.75	260.94	—	5.90	5.94	6.38	6.38	—
3444	Sheet metal work	227.11	224.78	243.13	243.17	—	5.58	5.55	5.93	5.96	—
3446,9	Architectural and misc. metal work	211.29	214.20	227.56	231.71	—	5.23	5.25	5.51	5.57	—
345	Screw machine products, bolts, etc	227.34	231.08	247.10	250.42	(*)	5.40	5.45	5.76	5.77	(*)
3451	Screw machine products	216.52	221.65	234.12	237.83	—	5.18	5.24	5.47	5.48	—
3452	Bolts, nuts, rivets, and washers	237.86	241.54	259.97	263.44	—	5.61	5.67	6.06	6.07	—
346	Metal stampings	250.70	258.73	298.91	299.33	(*)	6.19	6.42	7.10	7.11	(*)
347	Metal services, nec	179.74	186.59	193.04	194.81	197.06	4.46	4.54	4.79	4.81	4.83
348	Miscellaneous fabricated wire products	191.09	194.68	204.32	208.28	211.86	4.73	4.76	5.07	5.13	5.18
349	Miscellaneous fabricated metal products	227.01	229.63	242.90	246.15	(*)	5.51	5.52	5.91	5.96	(*)
3494,8	Valves, pipe, and pipe fittings	234.06	236.04	250.62	255.13	—	5.64	5.62	6.01	6.06	—
35	MACHINERY, EXCEPT ELECTRICAL	246.45	253.38	268.38	270.50	279.71	5.91	5.99	6.39	6.41	6.52
351	Engines and turbines	283.72	295.07	328.28	329.72	(*)	6.92	7.11	7.67	7.65	(*)
3511	Steam engines and turbines	278.10	278.05	278.88	283.56	—	6.59	6.70	6.92	6.95	—
3519	Internal combustion engines, nec	285.63	302.54	348.65	349.71	—	7.07	7.29	7.96	7.93	—
352	Farm machinery	252.55	266.70	285.38	283.56	—	6.19	6.35	6.91	6.95	—
353	Construction and related machinery	252.76	264.39	288.27	287.85	296.65	6.18	6.28	6.88	6.87	6.98
3531,2	Construction and mining machinery	263.74	277.69	315.74	312.57	—	6.61	6.74	7.59	7.55	—
3533	Oil field machinery	249.41	256.80	267.78	270.14	—	5.76	5.81	6.17	6.21	—
3535,6	Conveyors, hoists, cranes, monorails	235.71	243.19	253.38	257.91	—	5.82	5.86	6.15	6.17	—
3537	Industrial trucks and tractors	230.57	242.92	250.06	247.85	—	5.61	5.77	6.04	6.06	—
354	Metal working machinery	262.55	270.76	286.89	293.49	(*)	6.12	6.21	6.58	6.64	(*)
3541	Machine tools, metal cutting types	269.14	281.11	302.85	309.86	—	6.23	6.36	6.73	6.81	—
3544	Special dies, tools, jigs and fixtures	282.95	291.24	310.46	317.35	—	6.46	6.53	6.93	6.99	—
3545	Machine tool accessories	239.27	243.95	256.81	263.77	—	5.67	5.74	6.10	6.12	—
3542,8	Miscellaneous metal working machinery	235.00	241.34	248.05	253.34	—	5.69	5.76	6.05	6.09	—
355	Special industry machinery	235.34	242.09	246.38	251.64	258.64	5.59	5.63	5.98	6.02	6.10
3551	Food products machinery	248.20	254.88	254.78	260.57	—	5.84	5.90	6.26	6.34	—
3552	Textile machinery	190.54	196.93	196.71	205.50	—	4.67	4.70	4.93	5.00	—
3555	Printing trades machinery	244.44	254.72	259.38	261.67	—	5.82	5.91	6.25	6.26	—
356	General industrial machinery	243.43	251.76	264.16	266.90	(*)	5.88	5.98	6.35	6.37	(*)
3561	Pumps and compressors	248.56	254.92	266.68	273.28	—	5.89	5.97	6.38	6.43	—
3562	Ball and roller bearings	254.75	261.88	267.30	272.39	—	6.08	6.25	6.41	6.47	—
3564	Blowers and fans	224.68	245.47	245.37	246.37	—	5.48	5.63	5.87	5.88	—
3566	Power transmission equipment	242.78	248.64	264.36	264.99	—	5.85	5.92	6.37	6.37	—
357	Office and computing machines	228.98	232.95	225.91	231.29	(*)	5.35	5.38	5.47	5.52	(*)
3573	Electronic computing equipment	235.87	240.68	229.91	235.90	—	5.46	5.47	5.54	5.59	—
358	Service industry machines	218.30	212.61	240.20	241.43	(*)	5.39	5.41	5.83	5.86	(*)
3585	Refrigeration machinery	220.19	213.79	243.67	245.92	—	5.41	5.44	5.90	5.94	—
359	Miscellaneous machinery, except electrical	238.26	244.65	255.78	256.20	262.46	5.70	5.77	6.09	6.10	6.19

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P
DURABLE GOODS—Continued											
33	PRIMARY METAL INDUSTRIES	40.3	40.5	41.1	41.2	41.6	3.0	3.2	3.7	3.8	—
331	Blast furnace and basic steel products	39.0	39.1	40.0	40.0	(*)	1.9	2.1	2.4	2.4	—
3312	Blast furnaces and steel mills	38.6	38.8	39.7	39.6	—	1.7	1.9	2.2	2.2	—
332	Iron and steel foundries	41.4	41.8	41.9	42.2	42.9	4.3	4.6	5.1	5.3	—
3321	Gray iron foundries	41.7	41.9	42.4	42.5	—	5.0	5.2	5.6	5.8	—
3322	Malleable iron foundries	39.3	41.1	40.5	41.3	—	—	—	—	—	—
3323	Steel foundries	41.4	41.8	41.0	41.6	—	3.3	3.8	3.9	4.2	—
333,4	Nonferrous metals	41.4	41.6	42.5	42.4	42.2	3.2	3.2	3.8	4.0	—
3334	Primary aluminum	40.9	41.0	41.4	41.0	—	—	—	—	—	—
335	Nonferrous rolling and drawing	42.1	41.8	42.2	42.5	43.2	4.4	4.4	5.0	5.2	—
3351	Copper rolling and drawing	42.0	41.9	43.1	43.1	—	—	—	—	—	—
3352	Aluminum rolling and drawing	42.7	42.6	42.0	42.4	—	5.5	5.6	6.3	6.8	—
3357	Nonferrous wire drawing and insulating	41.8	41.0	42.0	42.2	—	3.9	3.7	4.3	4.5	—
336	Nonferrous foundries	40.4	41.0	41.0	41.3	41.5	2.9	3.3	3.7	3.7	—
3361	Aluminum castings	40.6	41.2	41.4	41.8	—	—	—	—	—	—
3362,9	Other nonferrous castings	40.3	40.8	40.6	40.6	—	—	—	—	—	—
339	Miscellaneous primary metal products	39.7	40.7	41.7	42.0	(*)	3.3	3.7	4.8	5.0	—
3391	Iron and steel forgings	40.1	40.5	42.0	42.2	—	—	—	—	—	—
34	FABRICATED METAL PRODUCTS	41.0	41.2	41.2	41.3	41.7	3.4	3.5	4.0	3.9	—
341	Metal cans	42.9	43.4	44.1	40.9	(*)	3.5	3.4	4.3	2.4	—
342	Cutlery, hand tools, and hardware	41.1	41.4	41.2	41.6	(*)	3.3	3.6	3.7	4.1	—
3421,3,5	Cutlery and hand tools, incl. saws	41.0	41.1	41.0	40.7	—	—	—	—	—	—
3429	Hardware, nec	41.2	41.5	41.4	42.2	—	—	—	—	—	—
343	Plumbing and heating, except electric	40.7	40.8	40.1	40.1	41.0	2.9	3.3	3.2	3.1	—
3431,2	Sanitary ware and plumbers' brass goods	39.8	39.7	39.5	39.3	—	—	—	—	—	—
3433	Heating equipment, except electric	41.5	41.7	40.7	40.9	—	—	—	—	—	—
344	Fabricated structural metal products	40.7	41.1	40.4	40.6	41.2	3.0	3.0	3.5	3.5	—
3441	Fabricated structural steel	41.6	42.6	39.7	40.3	—	3.3	3.4	3.2	3.3	—
3442	Metal doors, sash, and trim	39.1	39.4	39.9	39.6	—	—	—	—	—	—
3443	Fabricated plate work (boiler shops)	41.1	41.6	40.4	40.9	—	3.1	3.2	3.6	3.6	—
3444	Sheet metal work	40.7	40.5	41.0	40.8	—	—	—	—	—	—
3446,9	Architectural and misc. metal work	40.4	40.8	41.3	41.6	—	—	—	—	—	—
345	Screw machine products, bolts, etc	42.1	42.4	42.9	43.4	(*)	4.0	4.3	5.2	5.0	—
3451	Screw machine products	41.8	42.3	42.8	43.4	—	—	—	—	—	—
3452	Bolts, nuts, rivets, and washers	42.4	42.6	42.9	43.4	—	—	—	—	—	—
346	Metal stampings	40.5	40.3	42.1	42.1	(*)	4.5	4.2	5.4	5.1	—
347	Metal services, nec	40.3	41.1	40.3	40.5	40.8	3.4	3.6	3.7	3.7	—
348	Miscellaneous fabricated wire products	40.4	40.9	40.3	40.6	40.9	2.8	3.0	3.2	2.9	—
349	Miscellaneous fabricated metal products	41.2	41.6	41.1	41.3	(*)	3.2	3.2	3.6	3.6	—
3494,8	Valves, pipe, and pipe fittings	41.5	42.0	41.7	42.1	—	—	—	—	—	—
35	MACHINERY, EXCEPT ELECTRICAL	41.7	42.3	42.0	42.2	42.9	3.5	3.9	4.2	4.1	—
351	Engines and turbines	41.0	41.5	42.8	43.1	(*)	2.9	3.3	4.2	4.1	—
3511	Steam engines and turbines	42.2	41.5	40.3	40.8	—	—	—	—	—	—
3519	Internal combustion engines, nec	40.4	41.5	43.8	44.1	—	—	—	—	—	—
352	Farm machinery	40.8	42.0	41.3	40.8	—	4.0	4.7	4.7	4.0	—
353	Construction and related machinery	40.9	42.1	41.9	41.9	42.5	2.3	2.8	3.6	3.2	—
3531,2	Construction and mining machinery	39.9	41.2	41.6	41.4	—	1.5	2.0	2.9	2.6	—
3533	Oil field machinery	43.3	44.2	43.4	43.5	—	—	—	—	—	—
3535,6	Conveyors, hoists, cranes, monorails	40.5	41.5	41.2	41.8	—	—	—	—	—	—
3537	Industrial trucks and tractors	41.1	42.1	41.4	40.9	—	—	—	—	—	—
354	Metal working machinery	42.9	43.6	43.6	44.2	(*)	4.7	5.3	5.6	6.0	—
3541	Machine tools, metal cutting types	43.2	44.2	45.0	45.5	—	4.2	5.0	5.8	6.4	—
3544	Special dies, tools, jig and fixtures	43.8	44.6	44.8	45.4	—	—	—	—	—	—
3545	Machine tool accessories	42.2	42.5	42.1	43.1	—	3.8	4.2	4.3	4.6	—
3542,8	Miscellaneous metal working machinery	41.3	41.9	41.0	41.6	—	—	—	—	—	—
355	Special industry machinery	42.1	43.0	41.2	41.8	42.4	3.7	4.2	3.8	3.9	—
3551	Food products machinery	42.5	43.2	40.7	41.1	—	—	—	—	—	—
3552	Textile machinery	40.8	41.9	39.9	41.1	—	—	—	—	—	—
3555	Printing trades machinery	42.0	43.1	41.5	41.8	—	—	—	—	—	—
356	General industrial machinery	41.4	42.1	41.6	41.9	(*)	3.2	3.8	4.0	3.9	—
3561	Pumps and compressors	42.2	42.7	41.8	42.5	—	3.6	4.5	4.6	4.3	—
3562	Ball and roller bearings	41.9	41.9	41.7	42.1	—	3.6	4.0	4.1	4.4	—
3564	Blowers and fans	41.0	43.6	41.8	41.9	—	—	—	—	—	—
3566	Power transmission equipment	41.5	42.0	41.5	41.6	—	3.3	3.7	3.8	3.6	—
357	Office and computing machines	42.8	43.3	41.3	41.9	(*)	3.6	3.9	3.1	3.6	—
3573	Electronic computing equipment	43.2	44.0	41.5	42.2	—	—	—	—	—	—
358	Service industry machines	40.5	39.3	41.2	41.2	(*)	2.0	2.3	3.3	3.1	—
3585	Refrigeration machinery	40.7	39.3	41.3	41.4	—	1.8	2.3	3.2	3.0	—
359	Miscellaneous machinery, except electrical	41.8	42.4	42.0	42.0	42.4	4.0	4.3	4.6	4.4	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers ¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977P	Dec. 1977P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977P	Dec. 1977P
DURABLE GOODS—Continued											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	\$205.84	\$210.64	\$220.99	\$233.71	\$229.90	\$5.07	\$5.15	\$5.47	\$5.51	\$5.58
361	Electric test and distributing equipment	214.25	218.28	225.43	230.11	(*)	5.29	5.35	5.58	5.64	(*)
3611	Electric measuring instruments	208.06	207.72	221.50	226.95	—	5.15	5.18	5.51	5.59	—
3612	Transformers	203.41	212.52	215.30	217.83	—	5.01	5.06	5.29	5.30	—
3613	Switchgear and switchboard apparatus	226.14	230.61	235.35	241.13	—	5.57	5.68	5.84	5.91	—
362	Electrical industrial apparatus	206.63	209.79	242.52	226.85	—	5.14	5.18	5.53	5.56	—
3621	Motors and generators	210.37	213.31	235.09	235.75	—	5.22	5.28	5.72	5.75	—
3622	Industrial controls	198.20	198.99	198.78	201.61	—	4.98	4.95	5.11	5.13	—
363	Household appliances	200.19	206.63	216.95	216.68	223.30	5.03	5.14	5.37	5.39	5.50
3632	Household refrigerators and freezers	220.18	226.29	243.76	246.19	—	5.56	5.56	5.79	5.82	—
3633	Household laundry equipment	220.99	239.99	242.30	233.68	—	5.77	5.97	6.41	6.35	—
3634	Electric housewares and fans	172.03	172.33	183.26	183.31	—	4.29	4.43	4.57	4.56	—
364	Electric lighting and wiring equipment	194.81	196.75	206.16	209.20	(*)	4.81	4.87	5.18	5.23	(*)
3641	Electric lamps	217.26	216.01	222.46	223.26	—	5.10	5.12	5.22	5.54	—
3642	Lighting fixtures	193.25	199.20	209.04	210.36	—	4.88	4.98	5.36	5.38	—
3643,4	Wiring devices	184.86	185.66	196.49	201.60	—	4.61	4.63	4.90	4.99	—
365	Radio and TV receiving equipment	179.60	178.16	202.87	203.54	(*)	4.57	4.58	5.11	5.14	(*)
366	Communication equipment	242.69	250.25	258.34	260.21	(*)	5.82	5.93	6.24	6.27	(*)
3661	Telephone and telegraph apparatus	256.58	266.79	268.09	268.09	—	6.08	6.19	6.46	6.48	—
3662	Radio and TV communication equipment	231.13	237.80	249.26	253.57	—	5.61	5.73	6.05	6.11	—
367	Electronic components and accessories	170.49	175.82	180.52	184.34	188.26	4.22	4.32	4.57	4.62	4.66
3671-3	Electron tubes	220.55	227.55	243.80	248.97	—	5.50	5.55	5.75	5.79	—
3674,9	Other electronic components	164.02	169.72	172.82	176.17	—	4.06	4.17	4.42	4.46	—
369	Miscellaneous electrical equip. and supplies	244.78	253.80	263.49	268.77	276.90	5.87	5.93	6.38	6.43	6.50
3694	Engine electrical equipment	260.62	270.08	283.27	290.50	—	6.28	6.34	6.96	7.00	—
37	TRANSPORTATION EQUIPMENT	280.98	295.64	317.26	317.05	323.47	6.69	6.94	7.43	7.46	7.54
371	Motor vehicles and equipment	312.62	335.66	366.17	363.32	(*)	7.22	7.56	8.21	8.22	(*)
3711	Motor vehicles	333.71	366.86	392.84	386.96	—	7.55	8.01	8.54	8.58	—
3712	Passenger car bodies	337.46	383.00	421.79	408.04	—	7.74	8.29	9.27	9.19	—
3713	Truck and bus bodies	223.44	234.50	248.84	251.47	—	5.60	5.79	6.19	6.24	—
3714	Motor vehicle parts and accessories	306.16	318.86	358.16	358.60	—	7.12	7.33	8.14	8.15	—
3715	Truck trailers	207.57	209.50	216.81	215.06	—	5.10	5.16	5.38	5.39	—
372	Aircraft and parts	274.73	278.56	294.56	300.33	(*)	6.62	6.68	7.03	7.10	(*)
3721	Aircraft	282.99	283.30	297.74	302.52	—	6.77	6.81	7.14	7.22	—
3722	Aircraft engines and engine parts	276.75	281.26	299.74	305.87	—	6.75	6.86	7.24	7.30	—
3723,9	Other aircraft parts and equipment	254.59	263.89	281.39	289.94	—	6.12	6.18	6.59	6.65	—
373	Ship and boat building and repairing	231.85	234.63	241.41	242.97	(*)	5.84	5.91	6.19	6.23	(*)
3731	Ship building and repairing	246.71	249.88	255.18	254.65	—	6.23	6.31	6.56	6.58	—
3732	Boat building and repairing	180.45	184.86	193.55	198.20	—	4.50	4.61	4.90	4.98	—
374	Railroad equipment	278.50	280.99	308.86	317.18	—	6.98	7.06	7.57	7.68	—
375,9	Other transportation equipment	177.12	175.03	195.82	193.22	—	4.53	4.57	4.97	4.98	—
38	INSTRUMENTS AND RELATED PRODUCTS	203.59	210.73	214.37	217.46	220.73	4.99	5.09	5.28	5.33	5.41
381	Engineering and scientific instruments	213.31	224.28	236.59	236.90	—	5.28	5.34	5.66	5.75	—
382	Mechanical measuring and control devices	199.02	207.25	210.20	213.68	215.71	4.89	4.97	5.19	5.25	5.30
3821	Mechanical measuring devices	206.67	215.56	217.87	222.19	—	4.98	5.06	5.34	5.38	—
3822	Automatic temperature controls	187.23	192.88	197.11	198.50	—	4.74	4.81	4.94	5.00	—
383,5	Optical and ophthalmic goods	182.20	183.37	190.69	193.59	195.46	4.51	4.55	4.72	4.78	4.85
385	Ophthalmic goods	163.94	161.92	168.13	170.56	—	4.14	4.12	4.30	4.34	—
384	Medical instruments and supplies	178.80	182.78	183.21	186.80	187.70	4.47	4.48	4.65	4.67	4.74
386	Photographic equipment and supplies	258.69	274.77	280.14	283.83	(*)	6.13	6.45	6.67	6.71	(*)
387	Watches, clocks, and watchcases	161.20	161.99	168.80	172.89	—	4.04	4.06	4.22	4.29	—
39	MISC. MANUFACTURING INDUSTRIES	160.34	164.27	172.53	175.43	177.41	4.08	4.18	4.39	4.43	4.48
391	Jewelry, silverware, and plated ware	178.16	180.00	185.66	189.37	(*)	4.41	4.50	4.63	4.63	(*)
394	Toys and sporting goods	145.49	148.23	155.57	158.28	—	3.74	3.85	4.02	4.09	—
3941-3	Games, toys, dolls and play vehicles	136.68	137.64	144.78	145.90	—	3.55	3.69	3.81	3.87	—
3949	Sporting and athletic goods, nec	154.84	157.61	169.06	171.50	—	3.95	3.98	4.28	4.32	—
395	Pens, pencils, office and art supplies	166.05	172.64	179.34	188.16	—	4.06	4.15	4.45	4.48	—
396	Costume jewelry and notions	141.96	140.54	147.83	149.38	—	3.64	3.66	3.87	3.85	—
393,9	Other manufacturing industries	172.48	177.36	186.91	188.89	(*)	4.40	4.49	4.72	4.77	(*)
393	Musical instruments and parts	163.93	168.02	174.10	176.18	—	4.15	4.19	4.32	4.35	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	205.64	208.98	214.63	219.45	221.05	5.09	5.16	5.42	5.50	5.54
201	Meat products	213.91	213.96	218.50	222.40	223.44	5.23	5.27	5.49	5.56	5.60
2011	Meat packing plants	267.07	266.25	273.07	280.81	—	6.24	6.25	6.58	6.67	—
2013	Sausages and other prepared meats	253.59	257.91	261.95	264.11	—	6.17	6.26	6.50	6.57	—
2015	Poultry dressing plants	127.92	126.67	133.89	135.00	—	3.34	3.36	3.58	3.60	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P
DURABLE GOODS—Continued											
36	ELECTRICAL EQUIPMENT AND SUPPLIES	40.6	40.9	40.4	40.6	41.2	2.6	2.8	2.8	2.9	—
361	Electric test and distributing equipment	40.5	40.8	40.4	40.8	(*)	2.2	2.5	2.4	2.5	—
3611	Electric measuring instruments	40.4	40.1	40.2	40.6	—	1.9	2.2	2.3	2.1	—
3612	Transformers	40.6	42.0	40.7	41.1	—	—	—	—	—	—
3613	Switchgear and switchboard apparatus	40.6	40.6	40.3	40.8	—	—	—	—	—	—
362	Electrical industrial apparatus	40.2	40.5	40.6	40.8	—	2.3	2.6	3.1	3.1	—
3621	Motors and generators	40.3	40.4	41.1	41.0	—	2.6	2.8	3.5	3.4	—
3622	Industrial controls	39.8	40.2	38.9	39.3	—	1.8	2.1	2.2	2.1	—
363	Household appliances	39.8	40.2	40.4	40.2	40.6	2.0	2.2	2.7	2.7	—
3632	Household refrigerators and freezers	39.6	40.7	42.1	42.3	—	—	—	—	—	—
3633	Household laundry equipment	38.3	40.2	37.8	36.8	—	—	—	—	—	—
3634	Electric housewares and fans	40.1	38.9	40.1	40.2	—	2.5	2.3	2.9	2.9	—
364	Electric lighting and wiring equipment	40.5	40.4	39.8	40.0	(*)	2.5	2.5	2.4	2.5	—
3641	Electric lamps	42.6	41.7	40.3	40.3	—	2.6	2.2	1.9	1.9	—
3642	Lighting fixtures	39.6	40.0	39.0	39.1	—	2.7	2.7	2.5	2.5	—
3643.4	Wiring devices	40.1	40.1	40.1	40.4	—	2.3	2.4	2.6	2.7	—
365	Radio and TV receiving equipment	39.3	38.9	39.7	39.6	(*)	2.5	2.2	2.4	2.6	—
366	Communication equipment	41.7	42.2	41.4	41.5	(*)	2.8	3.3	2.9	3.0	—
3661	Telephone and telegraph apparatus	42.2	43.1	41.5	41.5	—	—	—	—	—	—
3662	Radio and TV communication equipment	41.2	41.5	41.2	41.5	—	2.7	2.9	2.8	3.0	—
367	Electronic components and accessories	40.4	40.7	39.5	39.9	40.4	2.6	2.7	2.5	2.6	—
3671.3	Electron tubes	40.1	41.0	42.4	43.0	—	1.7	1.5	2.8	3.0	—
3674.9	Other electronic components	40.4	40.7	39.1	39.5	—	2.7	2.8	2.5	2.5	—
369	Miscellaneous electrical equip. and supplies	41.7	42.8	41.3	41.8	42.6	4.0	4.4	4.4	4.4	—
3694	Engine electrical equipment	41.5	42.6	40.7	41.5	—	—	—	—	—	—
37	TRANSPORTATION EQUIPMENT	42.0	42.6	42.7	42.5	42.9	4.2	4.7	5.3	5.0	—
371	Motor vehicles and equipment	43.3	44.4	44.6	44.2	(*)	5.4	6.4	6.8	6.5	—
3711	Motor vehicles	44.2	45.8	46.0	45.1	—	6.0	7.4	7.6	7.2	—
3712	Passenger car bodies	43.6	46.2	45.5	44.4	—	—	—	—	—	—
3713	Truck and bus bodies	39.9	40.5	40.2	40.3	—	—	—	—	—	—
3714	Motor vehicle parts and accessories	43.0	43.5	44.0	44.0	—	5.2	5.5	6.5	6.2	—
3715	Truck trailers	40.7	40.6	40.3	39.9	—	—	—	—	—	—
372	Aircraft and parts	41.5	41.7	41.9	42.3	(*)	2.9	3.2	4.0	4.3	—
3721	Aircraft	41.8	41.6	41.7	41.9	—	2.4	2.5	3.1	3.3	—
3722	Aircraft engines and engine parts	41.0	41.0	41.4	41.9	—	3.4	3.5	4.4	4.7	—
3723.9	Other aircraft parts and equipment	41.6	42.7	42.7	43.6	—	3.5	4.3	4.9	5.3	—
373	Ship and boat building and repairing	39.7	39.7	39.0	39.0	(*)	2.7	2.6	3.0	2.5	—
3731	Ship building and repairing	39.6	39.6	38.9	38.7	—	—	—	—	—	—
3732	Boat building and repairing	40.1	40.1	39.5	39.8	—	—	—	—	—	—
374	Railroad equipment	39.9	39.8	40.8	41.3	—	2.1	2.2	3.6	3.6	—
375.9	Other transportation equipment	39.1	38.3	39.4	38.8	—	2.6	2.1	2.5	2.2	—
38	INSTRUMENTS AND RELATED PRODUCTS	40.8	41.4	40.6	40.8	40.8	2.5	2.8	2.6	2.7	—
381	Engineering and scientific instruments	40.4	42.0	41.8	41.2	—	2.3	3.1	3.1	3.1	—
382	Mechanical measuring and control devices	40.7	41.7	40.5	40.7	40.7	2.7	2.9	2.8	2.8	—
3821	Mechanical measuring devices	41.5	42.6	40.8	41.3	—	2.9	3.1	3.3	3.3	—
3822	Automatic temperature controls	39.5	40.1	39.9	39.7	—	2.4	2.6	2.1	1.9	—
383.5	Optical and ophthalmic goods	40.4	40.3	40.4	40.5	40.3	2.4	2.5	2.1	2.2	—
385	Ophthalmic goods	39.6	39.3	39.1	39.3	—	2.1	1.9	1.4	1.5	—
384	Medical instruments and supplies	40.0	40.8	39.4	40.0	39.6	2.2	2.6	2.1	2.3	—
386	Photographic equipment and supplies	42.2	42.6	42.0	42.3	(*)	3.0	3.4	3.2	3.2	—
387	Watches, clocks, and watch cases	39.9	39.9	40.0	40.3	—	1.7	1.9	2.5	2.4	—
39	MISC. MANUFACTURING INDUSTRIES	39.3	39.3	39.3	39.6	39.6	2.1	2.1	2.4	2.5	—
391	Jewelry, silverware, and plated ware	40.4	40.0	40.1	40.9	(*)	3.6	3.0	3.3	3.9	—
394	Toys and sporting goods	38.9	38.5	38.7	38.7	—	1.4	1.4	1.8	1.7	—
3941.3	Games, toys, dolls and play vehicles	38.5	37.3	38.0	37.7	—	—	—	—	—	—
3949	Sporting and athletic goods, nec	39.2	39.6	39.5	39.7	—	—	—	—	—	—
395	Pens, pencils, office and art supplies	40.9	41.6	40.3	42.0	—	3.3	3.5	3.0	4.0	—
396	Costume jewelry and notions	39.0	38.4	38.2	38.8	—	1.7	1.7	2.2	2.5	—
393.9	Other manufacturing industries	39.2	39.5	39.6	39.6	(*)	2.1	2.0	2.5	2.4	—
393	Musical instruments and parts	39.5	40.1	40.3	40.5	—	2.0	2.0	1.8	1.9	—
NONDURABLE GOODS											
20	FOOD AND KINDRED PRODUCTS	40.4	40.5	39.6	39.9	39.9	3.8	3.9	4.0	4.0	—
201	Meat products	40.9	40.6	39.8	40.0	39.9	4.4	4.3	3.8	4.0	—
2011	Meat packing plants	42.8	42.6	41.5	42.1	—	5.3	5.0	4.3	4.7	—
2013	Sausages and other prepared meats	41.1	41.2	40.3	40.2	—	—	—	—	—	—
2015	Poultry dressing plants	38.3	37.7	37.4	37.5	—	—	—	—	—	—

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry—Continued

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P
	NONDURABLE GOODS—Continued										
	FOOD AND KINDRED PRODUCTS—Continued										
202	Dairy products	\$209.39	\$214.20	\$223.97	\$226.18	\$227.97	\$5.07	\$5.10	\$5.41	\$5.45	\$5.48
2024	Ice cream and frozen desserts	200.58	203.15	202.84	207.19	—	5.13	5.13	5.31	5.34	—
2026	Fluid milk	220.81	224.18	236.17	237.02	—	5.22	5.25	5.57	5.63	—
203	Canned, cured, and frozen foods	165.46	169.67	173.82	174.66	—	4.32	4.43	4.66	4.67	—
2031,6	Canned, cured, and frozen sea foods	138.00	143.42	141.66	143.03	—	4.00	4.04	4.13	4.17	—
2032,3	Canned food, except sea foods	172.60	184.93	181.50	183.16	—	4.46	4.67	4.84	4.82	—
2037	Frozen fruits and vegetables	163.98	158.12	168.58	174.60	—	4.12	4.15	4.39	4.50	—
204	Grain mill products	234.14	240.02	252.57	263.51	(*)	5.42	5.48	5.86	6.03	(*)
2041	Flour and other grain mill products	248.40	254.25	289.84	303.67	—	5.62	5.65	6.26	6.42	—
2042	Prepared feeds for animals and fowls	204.57	208.15	206.36	213.19	—	4.66	4.72	4.89	5.04	—
205	Bakery products	209.47	210.26	219.40	222.69	222.51	5.33	5.35	5.64	5.71	5.72
2051	Bread, cake, and related products	205.92	207.09	217.88	219.82	—	5.28	5.31	5.63	5.68	—
2052	Cookies and crackers	221.94	223.71	226.86	231.82	—	5.48	5.51	5.70	5.81	—
206	Sugar	208.08	220.48	221.92	225.17	—	5.10	5.20	5.84	5.91	—
207	Confectionery and related products	184.57	175.31	188.73	189.54	(*)	4.58	4.53	4.79	4.86	(*)
2071	Confectionery products	174.28	167.04	177.77	178.26	—	4.39	4.35	4.57	4.63	—
208	Beverages	242.57	246.43	260.29	265.72	(*)	6.11	6.13	6.54	6.61	(*)
2082	Malt liquors	339.71	345.77	354.32	375.33	—	8.05	8.06	8.60	8.79	—
2086	Bottled and canned soft drinks	177.41	181.27	182.68	186.20	—	4.62	4.66	4.82	4.90	—
209	Miscellaneous foods and kindred products ..	212.50	215.28	217.05	222.18	(*)	5.00	5.03	5.29	5.22	(*)
21	TOBACCO MANUFACTURES	185.55	193.03	209.75	223.20	221.18	4.87	5.04	5.31	5.58	5.76
211	Cigarettes	237.31	244.45	260.14	279.10	—	6.18	6.22	6.81	6.96	—
212	Cigars	126.21	128.02	136.62	135.66	—	3.33	3.36	3.39	3.40	—
22	TEXTILE MILL PRODUCTS	152.40	154.73	165.24	167.28	168.10	3.81	3.83	4.08	4.10	4.10
221	Weaving mills, cotton	163.56	163.55	175.01	177.55	179.70	3.97	3.96	4.30	4.32	4.33
222	Weaving mills, synthetics	160.80	163.60	177.12	180.96	181.83	3.99	4.00	4.32	4.35	4.35
223	Weaving and finishing mills, wool	158.73	167.84	170.87	171.25	(*)	3.90	3.94	4.24	4.26	(*)
224	Narrow fabric mills	141.33	144.68	148.90	151.58	(*)	3.56	3.59	3.76	3.78	(*)
225	Knitting mills	138.16	138.96	148.16	150.10	148.19	3.57	3.60	3.77	3.80	3.79
2251	Women's hosiery, except socks	129.63	129.75	136.42	144.38	—	3.29	3.31	3.48	3.53	—
2252	Hosiery, nec	123.75	122.91	139.79	140.30	—	3.30	3.34	3.53	3.57	—
2253	Knit outerwear mills	138.37	136.53	144.02	142.13	—	3.68	3.70	3.78	3.79	—
2254	Knit underwear mills	127.05	130.99	134.19	138.90	—	3.30	3.35	3.55	3.58	—
226	Textile finishing, except wool	165.21	171.81	180.50	180.84	181.77	4.12	4.15	4.36	4.40	4.38
227	Floor covering mills	159.44	165.09	179.35	178.50	—	3.87	3.94	4.22	4.24	—
228	Yarn and thread mills	139.20	143.92	157.44	159.42	159.03	3.56	3.58	3.84	3.86	3.86
229	Miscellaneous textile goods	169.73	170.55	183.75	187.23	189.50	4.08	4.09	4.46	4.49	4.48
23	APPAREL AND OTHER TEXTILE PRODUCTS	123.90	124.26	132.47	133.56	134.27	3.50	3.52	3.69	3.71	3.74
231	Men's and boys' suits and coats	157.25	158.19	161.62	163.70	(*)	4.32	4.37	4.54	4.56	(*)
232	Men's and boys' furnishings	114.08	113.49	120.52	122.28	122.36	3.16	3.17	3.32	3.35	3.38
2321	Men's and boys' shirts and nightwear	111.29	110.80	116.93	118.91	—	3.10	3.13	3.23	3.24	—
2327	Mcn's and boys' separate trousers	112.03	112.73	120.67	122.74	—	3.21	3.23	3.38	3.40	—
2328	Men's and boys' work clothing	114.20	114.95	118.86	120.38	—	3.07	3.09	3.23	3.28	—
233	Women's and misses' outerwear	118.44	118.11	126.21	126.21	124.46	3.60	3.59	3.79	3.79	3.76
2331	Women's and misses' blouses and waists ..	115.94	114.90	123.15	122.40	—	3.42	3.44	3.58	3.60	—
2335	Women's and misses' dresses	115.07	115.39	123.63	123.52	—	3.63	3.64	3.90	3.86	—
2337	Women's and misses' suits and coats	135.01	132.66	141.37	141.47	—	4.18	4.12	4.31	4.30	—
2339	Women's and misses' outerwear, nec	116.25	116.92	124.61	124.25	—	3.35	3.35	3.51	3.54	—
234	Women's and children's undergarments	115.28	114.31	126.43	126.75	123.03	3.22	3.22	3.38	3.38	3.38
2341	Women's and children's underwear	112.05	109.12	123.33	123.38	—	3.13	3.10	3.28	3.29	—
2342	Corsets and allied garments	127.44	130.31	140.99	139.49	—	3.54	3.58	3.72	3.70	—
235	Hats, caps, and millinery	114.14	112.98	123.91	126.00	—	3.06	3.07	3.34	3.36	—
236	Children's outerwear	113.34	115.05	119.28	121.04	(*)	3.22	3.25	3.36	3.40	(*)
2361	Children's dresses and blouses	112.35	108.82	118.52	119.93	—	3.21	3.21	3.32	3.35	—
237,8	Fur goods and miscellaneous apparel	130.65	130.31	139.50	139.86	—	3.56	3.57	3.76	3.78	—
239	Miscellaneous fabricated textile products ..	147.05	152.43	162.24	162.24	(*)	3.88	3.98	4.16	4.16	(*)
2391,2	Housefurnishings	123.93	127.71	137.63	137.71	—	3.27	3.30	3.52	3.54	—
26	PAPER AND ALLIED PRODUCTS	239.41	243.95	261.69	262.98	270.50	5.62	5.66	6.10	6.13	6.19
261,2,6	Paper and pulp mills	280.04	287.29	311.75	313.02	(*)	6.35	6.37	6.99	7.05	(*)
263	Paperboard mills	289.52	292.60	315.77	319.24	(*)	6.58	6.59	7.08	7.11	(*)
264	Miscellaneous converted paper products	205.41	212.25	221.53	222.35	(*)	5.01	5.09	5.39	5.41	(*)
2643	Bags, except textile bags	198.58	207.46	210.71	217.15	—	4.82	4.87	5.19	5.22	—
265	Paperboard containers and boxes	212.01	215.04	232.65	233.62	240.07	5.06	5.12	5.50	5.51	5.57
2651,2	Folding and setup paperboard boxes	202.50	203.57	219.12	222.60	—	4.81	4.87	5.28	5.30	—
2653	Corrugated and solid fiber boxes	222.26	228.72	248.40	247.53	—	5.33	5.42	5.75	5.77	—
2654	Sanitary food containers	201.60	204.73	215.39	217.98	—	4.80	4.84	5.19	5.19	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P
	NONDURABLE GOODS—Continued										
	FOOD AND KINDRED PRODUCTS—Continued										
202	Dairy products	41.3	42.0	41.4	41.5	41.6	3.8	3.9	4.1	4.1	—
2024	Ice cream and frozen desserts	39.1	39.6	38.2	38.8	—	—	—	—	—	—
2026	Fluid milk	42.3	42.7	42.4	42.1	—	—	—	—	—	—
203	Canned, cured, and frozen foods	38.3	38.3	37.3	37.4	—	2.8	2.7	3.1	3.0	—
2031,6	Canned, cured, and frozen sea foods	34.5	35.5	34.3	34.3	—	—	—	—	—	—
2032,3	Canned food, except sea foods	38.7	39.6	37.5	38.0	—	—	—	—	—	—
2037	Frozen fruits and vegetables	39.8	38.1	38.4	38.8	—	—	—	—	—	—
204	Grain mill products	43.2	43.8	43.1	43.7	(*)	5.4	5.6	6.2	6.4	—
2041	Flour and other grain mill products	44.2	45.0	46.3	47.3	—	—	—	—	—	—
2042	Prepared feeds for animals and fowls	43.9	44.1	42.2	42.3	—	—	—	—	—	—
205	Bakery products	39.3	39.3	38.9	39.0	38.9	3.4	3.4	3.6	3.6	—
2051	Bread, cake, and related products	39.0	39.0	38.7	38.7	—	—	—	—	—	—
2052	Cookies and crackers	40.5	40.6	39.8	39.9	—	—	—	—	—	—
206	Sugar	40.8	42.4	38.0	38.1	—	3.2	3.0	4.9	4.7	—
207	Confectionery and related products	40.3	38.7	39.4	39.0	(*)	3.2	2.5	3.5	2.9	—
2071	Confectionery products	39.7	38.4	38.9	38.5	—	—	—	—	—	—
208	Beverages	39.7	40.2	39.8	40.2	(*)	3.4	3.7	4.0	4.1	—
2082	Malt liquors	42.2	42.9	41.2	42.7	—	—	—	—	—	—
2086	Bottled and canned soft drinks	38.4	38.9	37.9	38.0	—	—	—	—	—	—
209	Miscellaneous foods and kindred products	42.5	42.8	41.5	42.0	(*)	4.8	4.9	4.8	4.8	—
21	TOBACCO MANUFACTURES	38.1	38.3	39.5	40.0	38.4	2.4	2.2	2.3	2.9	—
211	Cigarettes	38.4	39.3	38.2	40.1	—	2.1	2.6	1.9	2.9	—
212	Cigars	37.9	38.1	40.3	39.9	—	.8	.8	1.2	1.1	—
22	TEXTILE MILL PRODUCTS	40.0	40.4	40.5	40.8	41.0	3.2	3.4	3.6	3.7	—
221	Weaving mills, cotton	41.2	41.3	40.7	41.1	41.5	3.8	3.8	3.9	4.1	—
222	Weaving mills, synthetics	40.3	40.9	41.0	41.6	41.8	3.5	3.6	3.6	3.8	—
223	Weaving and finishing mills, wool	40.7	42.6	40.3	40.2	(*)	3.0	3.7	3.6	3.6	—
224	Narrow fabric mills	39.7	40.3	39.6	40.1	(*)	2.7	3.0	3.1	3.1	—
225	Knitting mills	38.7	38.6	39.3	39.5	39.1	2.6	2.7	2.9	3.0	—
2251	Women's hosiery, except socks	39.4	39.2	39.2	40.9	—	—	—	—	—	—
2252	Hosiery, nec	37.5	36.8	39.6	39.3	—	—	—	—	—	—
2253	Knit outerwear mills	37.6	36.9	38.1	37.5	—	—	—	—	—	—
2254	Knit underwear mills	38.5	39.1	37.8	38.8	—	—	—	—	—	—
226	Textile finishing, except wool	40.1	41.4	41.4	41.1	41.5	3.2	3.8	4.0	4.3	—
227	Floor covering mills	41.2	41.9	42.5	42.1	—	3.6	4.4	4.6	4.4	—
228	Yarn and thread mills	39.1	40.2	41.0	41.3	41.2	2.9	3.1	3.6	3.8	—
229	Miscellaneous textile goods	41.6	41.7	41.2	41.7	42.3	3.8	3.8	4.1	4.1	—
23	APPAREL AND OTHER TEXTILE PRODUCTS	35.4	35.3	35.9	36.0	35.9	1.2	1.1	1.4	1.4	—
231	Men's and boys' suits and coats	36.4	36.2	35.6	35.9	(*)	1.1	1.2	.6	.6	—
232	Men's and boys' furnishings	36.1	35.8	36.3	36.5	36.2	1.1	1.0	1.2	1.2	—
2321	Men's and boys' shirts and nightwear	35.9	35.4	36.2	36.7	—	1.0	.9	1.1	1.2	—
2327	Men's and boys' separate trousers	34.9	34.9	35.7	36.1	—	.9	.7	1.3	1.3	—
2328	Men's and boys' work clothing	37.2	37.2	36.8	36.7	—	1.1	1.2	1.2	1.1	—
233	Women's and misses' outerwear	32.9	32.9	33.3	33.3	33.1	1.0	.9	1.0	1.0	—
2331	Women's and misses' blouses and waists	33.9	33.4	34.4	34.0	—	—	—	—	—	—
2335	Women's and misses' dresses	31.7	31.7	31.7	32.0	—	.9	.8	.9	.9	—
2337	Women's and misses' suits and coats	32.3	32.2	32.8	32.9	—	.8	.7	1.3	1.4	—
2339	Women's and misses' outerwear, nec	34.7	34.9	35.5	35.1	—	1.2	1.2	1.0	1.0	—
234	Women's and children's undergarments	35.8	35.5	37.7	37.5	36.4	1.2	.8	1.7	1.6	—
2341	Women's and children's underwear	35.8	35.2	37.6	37.5	—	—	—	—	—	—
2342	Corsets and allied garments	36.0	36.4	37.9	37.7	—	—	—	—	—	—
235	Hats, caps, and millinery	37.3	36.8	37.1	37.5	—	1.5	1.3	1.1	1.1	—
236	Children's outerwear	35.2	35.4	35.5	35.6	(*)	1.3	1.1	1.5	1.6	—
2361	Children's dresses and blouses	35.0	33.9	35.7	35.8	—	—	—	—	—	—
237,8	Fur goods and miscellaneous apparel	36.7	36.5	37.1	37.0	—	1.2	1.0	1.7	1.7	—
239	Miscellaneous fabricated textile products	37.9	38.3	39.0	39.0	(*)	1.9	1.9	2.5	2.4	—
2391,2	Housefurnishings	37.9	38.7	39.1	38.9	—	—	—	—	—	—
26	PAPER AND ALLIED PRODUCTS	42.6	43.1	42.9	42.9	43.7	4.6	4.6	5.0	4.9	—
261,2,6	Paper and pulp mills	44.1	45.1	44.6	44.4	(*)	5.9	6.0	6.3	6.3	—
263	Paperboard mills	44.0	44.4	44.6	44.9	(*)	6.9	6.7	7.1	7.0	—
264	Miscellaneous converted paper products	41.0	41.7	41.1	41.1	(*)	3.3	3.5	3.7	3.7	—
2643	Bags, except textile bags	41.2	42.6	40.6	41.6	—	—	—	—	—	—
265	Paperboard containers and boxes	41.9	42.0	42.3	42.4	43.1	3.6	3.5	4.2	3.9	—
2651,2	Folding and setup paperboard boxes	42.1	41.8	41.5	42.0	—	—	—	—	—	—
2653	Corrugated and solid fiber boxes	41.7	42.2	43.2	42.9	—	3.7	4.0	4.9	4.4	—
2654	Sanitary food containers	42.0	42.3	41.5	42.0	—	—	—	—	—	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P
NONDURABLE GOODS—Continued											
27	PRINTING AND PUBLISHING	\$220.00	\$224.44	\$236.74	\$238.13	\$240.77	\$5.82	\$5.86	\$6.23	\$6.25	\$6.27
271	Newspapers	220.85	224.76	235.63	237.00	238.72	6.42	6.44	6.81	6.83	6.84
272	Periodicals	222.53	225.88	239.36	229.48	—	5.95	5.96	6.40	6.27	—
273	Books	197.88	204.75	211.14	213.10	—	5.10	5.21	5.40	5.45	—
275	Commercial printing	228.34	231.47	247.59	248.14	(*)	5.84	5.86	6.30	6.33	(*)
2751	Commercial printing, except lithographic	223.79	222.78	239.46	240.63	—	5.68	5.64	6.14	6.17	—
2752	Commercial printing, lithographic	236.23	245.69	260.31	261.10	—	6.12	6.22	6.59	6.61	—
278	Blankbooks and bookbinding	178.82	180.18	189.60	191.52	(*)	4.55	4.55	4.80	4.80	(*)
274,6,7,9	Other publishing and printing ind.	223.26	234.95	255.02	258.40	(*)	5.71	5.83	6.44	6.46	(*)
28	CHEMICALS AND ALLIED PRODUCTS ...	254.56	258.49	272.90	275.46	277.97	6.09	6.14	6.56	6.59	6.65
281	Industrial chemicals	288.58	290.28	313.65	313.96	314.29	6.79	6.83	7.38	7.37	7.43
2812	Alkalies and chlorine	296.92	310.95	332.98	329.47	—	6.81	6.91	7.69	7.68	—
2818	Industrial organic chemicals, nec.	311.16	308.42	338.55	333.98	—	7.27	7.24	7.91	7.84	—
2819	Industrial inorganic chemicals, nec.	279.60	281.40	299.17	303.71	—	6.61	6.70	7.14	7.18	—
282	Plastics materials and synthetics	246.74	249.18	266.43	271.09	273.03	5.96	5.99	6.42	6.47	6.47
2821	Plastics materials and resins	273.06	275.18	289.01	292.32	—	6.22	6.24	6.69	6.72	—
2823,4	Synthetic fibers	218.04	221.69	238.98	245.62	—	5.52	5.57	5.93	6.02	—
283	Drugs	235.57	240.24	246.84	248.88	253.59	5.69	5.72	6.05	6.10	6.17
2834	Pharmaceutical preparations	230.87	235.62	241.00	244.02	—	5.59	5.61	6.01	6.04	—
284	Soap, cleaners, and toilet goods	238.86	249.55	249.69	255.85	258.71	5.84	5.97	6.09	6.21	6.31
2841	Soap and other detergents	314.81	334.47	332.42	341.28	—	7.39	7.55	7.84	7.90	—
2844	Toilet preparations	190.08	195.69	196.09	202.61	—	4.80	4.88	4.89	5.04	—
285	Paints and allied products	224.52	228.07	244.17	243.58	245.18	5.53	5.59	5.97	5.97	5.98
287	Agricultural chemicals	236.26	238.82	257.61	256.39	259.30	5.52	5.58	6.09	6.09	6.13
2871,2	Fertilizers, complete and mixing only ..	221.09	224.80	240.41	236.44	—	5.19	5.24	5.67	5.67	—
286,9	Other chemical products	238.01	243.24	251.32	253.37	(*)	5.64	5.67	6.10	6.12	(*)
2892	Explosives	236.17	235.88	238.76	242.72	—	5.57	5.55	5.91	5.92	—
29	PETROLEUM AND COAL PRODUCTS ...	307.10	309.10	340.52	340.52	341.82	7.26	7.29	7.81	7.81	7.84
291	Petroleum refining	334.11	332.84	368.94	371.06	370.20	7.88	7.85	8.56	8.53	8.53
295,9	Other petroleum and coal products	230.29	237.86	263.87	258.28	(*)	5.47	5.61	5.89	5.87	(*)
30	RUBBER AND PLASTICS PRODUCTS, NEC ...	204.52	209.92	212.79	214.13	216.83	4.94	5.01	5.19	5.21	5.25
301	Tires and inner tubes	329.94	338.91	311.03	314.20	318.72	7.05	7.15	7.25	7.29	7.31
302,3,6	Other rubber products	197.96	202.11	215.36	216.19	216.94	4.84	4.87	5.24	5.26	5.24
302	Rubber footwear	131.30	131.71	140.18	139.86	—	3.52	3.55	3.66	3.70	—
307	Miscellaneous plastics products	169.60	173.72	184.28	185.49	187.98	4.24	4.30	4.55	4.58	4.63
31	LEATHER AND LEATHER PRODUCTS ...	127.75	129.90	138.37	139.86	130.50	3.50	3.53	3.68	3.70	3.71
311	Leather tanning and finishing	174.19	181.57	194.53	198.19	(*)	4.56	4.62	4.90	4.93	(*)
314	Footwear, except rubber	119.93	122.67	130.57	133.10	132.77	3.35	3.37	3.51	3.54	3.55
312,3,5,7,9	Other leather products	131.22	129.89	138.35	137.62	136.51	3.49	3.52	3.66	3.66	3.65
316	Luggage	134.68	133.16	140.89	138.26	—	3.64	3.73	3.86	3.83	—
317	Handbags and personal leather goods	125.21	121.15	137.06	134.90	—	3.33	3.31	3.56	3.55	—
—	TRANSPORTATION AND PUBLIC UTILITIES	267.33	269.33	286.08	287.28	289.92	6.65	6.65	7.17	7.20	7.23
4011	RAILROAD TRANSPORTATION: Class I railroads ²	312.65	314.35	323.17	(*)	—	7.01	6.97	7.64	(*)	—
411	LOCAL AND INTERURBAN PASSENGER TRANSIT: Local and suburban transportation	227.70	226.46	245.74	239.46	—	5.65	5.69	6.19	6.14	—
413	Intercity highway transportation	257.26	254.25	283.50	277.11	—	6.77	6.78	7.56	7.37	—
42	TRUCKING AND WAREHOUSING	268.96	271.51	289.88	289.98	—	6.56	6.59	7.14	7.16	—
421,3	Trucking and trucking terminals	276.19	278.78	297.84	298.00	—	6.72	6.75	7.30	7.34	—
422	Public warehousing	191.92	195.62	196.35	203.57	—	4.81	4.83	5.14	5.18	—
46	PIPE LINE TRANSPORTATION	315.05	324.73	344.02	348.20	—	7.61	7.75	8.35	8.35	—
48	COMMUNICATION	262.68	263.07	291.20	293.04	—	6.65	6.66	7.19	7.20	—
481	Telephone communication	267.42	267.81	298.41	300.62	—	6.77	6.78	7.35	7.35	—
4817	Switchboard operating employees ³	196.65	194.45	211.50	220.07	—	5.75	5.77	6.17	6.13	—
4818	Line construction employees ⁴	341.12	343.37	399.15	402.62	—	7.86	7.93	8.87	8.81	—
482	Telegraph communication ⁵	268.54	277.57	(*)	(*)	—	6.68	6.77	(*)	(*)	—
483	Radio and television broadcasting	243.54	243.32	264.40	265.47	—	6.15	6.16	6.61	6.67	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 P	Dec. 1977 P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 P	Dec. 1977 P
NONDURABLE GOODS—Continued											
27	PRINTING AND PUBLISHING	37.8	38.3	38.0	38.1	38.4	2.6	2.9	3.1	3.0	—
271	Newspapers	34.4	34.9	34.6	34.7	34.9	1.9	1.9	2.0	2.1	—
272	Periodicals	37.4	37.9	37.4	36.6	—	1.6	2.3	3.1	1.9	—
273	Books	38.8	39.3	39.1	39.1	—	2.5	3.3	3.7	3.5	—
275	Commercial printing	39.1	39.5	39.3	39.2	(*)	3.1	3.3	3.6	3.5	—
2751	Commercial printing, except lithographic	39.4	39.5	39.0	39.0	—	3.2	3.1	3.4	3.3	—
2752	Commercial printing, lithographic	38.6	39.5	39.5	39.5	—	2.9	3.5	3.9	3.7	—
278	Blankbooks and bookbinding	39.3	39.6	39.5	39.9	(*)	2.6	2.4	2.8	2.6	—
274,6,7,9	Other publishing and printing ind.	39.1	40.3	39.6	40.0	(*)	2.8	3.7	3.3	3.3	—
28	CHEMICALS AND ALLIED PRODUCTS ...	41.8	42.1	41.6	41.8	41.8	3.2	3.3	3.4	3.2	—
281	Industrial chemicals	42.5	42.5	42.5	42.6	42.3	3.6	3.7	4.0	3.5	—
2812	Alkalies and chlorine	43.6	45.0	43.3	42.9	—	—	—	—	—	—
2818	Industrial organic chemicals, nec.	42.8	42.6	42.8	42.6	—	4.0	3.7	4.1	3.4	—
2819	Industrial inorganic chemicals, nec.	42.3	42.0	41.9	42.3	—	3.5	4.1	3.3	3.3	—
282	Plastics materials and synthetics	41.4	41.6	41.5	41.9	42.2	2.8	2.7	3.1	3.2	—
2821	Plastics materials and resins	43.9	44.1	43.2	43.5	—	4.6	4.3	4.7	4.7	—
2823,4	Synthetic fibers	39.5	39.8	40.3	40.8	—	1.3	1.4	2.0	2.1	—
283	Drugs	41.4	42.0	40.8	40.8	41.1	2.9	3.1	2.7	2.7	—
2834	Pharmaceutical preparations	41.3	42.0	40.1	40.4	—	—	—	—	—	—
284	Soap, cleaners, and toilet goods	40.9	41.8	41.0	41.2	41.0	3.0	3.2	3.1	3.0	—
2841	Soap and other detergents	42.6	44.3	42.4	43.2	—	—	—	—	—	—
2844	Toilet preparations	39.6	40.1	40.1	40.2	—	—	—	—	—	—
285	Paints and allied products	40.6	40.8	40.9	40.8	41.0	2.2	2.4	3.4	2.9	—
287	Agricultural chemicals	42.8	42.8	42.3	42.1	42.3	4.4	4.8	4.6	4.1	—
2871,2	Fertilizers, complete and mixing only ..	42.6	42.9	42.4	41.7	—	—	—	—	—	—
286,9	Other chemical products	42.2	42.9	41.2	41.4	(*)	3.5	3.7	3.4	3.3	—
2892	Explosives	42.4	42.5	40.4	41.0	—	—	—	—	—	—
29	PETROLEUM AND COAL PRODUCTS	42.3	42.4	43.6	43.6	43.6	3.3	3.4	4.3	4.2	—
291	Petroleum refining	42.4	42.4	43.1	43.5	43.4	3.0	3.1	3.7	3.8	—
295,9	Other petroleum and coal products	42.1	42.4	44.8	44.0	(*)	4.2	4.2	5.8	5.2	—
30	RUBBER AND PLASTICS PRODUCTS, NEC ..	41.4	41.9	41.0	41.1	41.3	4.0	4.0	3.7	3.5	—
301	Tires and inner tubes	46.8	47.4	42.9	43.1	43.6	8.2	7.9	4.8	4.4	—
302,3,6	Other rubber products	40.9	41.5	41.1	41.1	41.4	3.5	3.5	3.7	3.3	—
302	Rubber footwear	37.3	37.1	38.3	37.8	—	1.0	1.2	1.8	1.2	—
307	Miscellaneous plastics products	40.0	40.4	40.5	40.5	40.6	2.9	3.0	3.4	3.3	—
31	LEATHER AND LEATHER PRODUCTS ...	36.5	36.8	37.6	37.8	37.6	1.6	1.6	2.0	2.0	—
311	Leather tanning and finishing	38.2	39.3	39.7	40.2	(*)	2.4	2.8	2.9	3.2	—
314	Footwear, except rubber	35.8	36.4	37.2	37.6	37.4	1.3	1.4	1.7	1.8	—
312,3,5-7,9	Other leather products	37.6	36.9	37.8	37.6	37.4	2.0	1.6	2.4	2.0	—
316	Luggage	37.0	35.7	36.5	36.1	—	1.9	1.5	2.3	2.2	—
317	Handbags and personal leather goods ..	37.6	36.6	38.5	38.0	—	2.3	1.7	2.9	2.2	—
TRANSPORTATION AND PUBLIC UTILITIES											
RAILROAD TRANSPORTATION:											
4011	Class I railroads ²	44.6	45.1	42.3	(*)	—	—	—	—	—	—
LOCAL AND INTERURBAN PASSENGER TRANSIT:											
411	Local and suburban transportation	40.3	39.8	39.7	39.0	—	—	—	—	—	—
413	Intercity highway transportation	38.0	37.5	37.5	37.6	—	—	—	—	—	—
42	TRUCKING AND WAREHOUSING	41.0	41.2	40.6	40.5	—	—	—	—	—	—
421,3	Trucking and trucking terminals	41.1	41.3	40.8	40.6	—	—	—	—	—	—
422	Public warehousing	39.9	40.5	38.2	39.3	—	—	—	—	—	—
46	PIPE LINE TRANSPORTATION	41.4	41.9	41.2	41.7	—	—	—	—	—	—
48	COMMUNICATION	39.5	39.5	40.5	40.7	—	—	—	—	—	—
481	Telephone communication	39.5	39.5	40.6	40.9	—	—	—	—	—	—
4817	Switchboard operating employees ³	34.2	33.7	35.9	35.9	—	—	—	—	—	—
4818	Line construction employees ⁴	43.4	43.3	45.0	45.7	—	—	—	—	—	—
482	Telegraph communication ⁵	40.2	41.0	(*)	(*)	—	—	—	—	—	—
483	Radio and television broadcasting	39.6	39.5	40.0	39.8	—	—	—	—	—	—

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry—Continued

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^p	Dec. 1977 ^p	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^p	Dec. 1977 ^p
—	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	\$283.14	\$283.98	\$298.60	\$300.88	—	\$6.79	\$6.81	\$7.23	\$7.25	—
491	Electric companies and systems	284.54	287.31	301.80	306.29	—	6.84	6.89	7.22	7.31	—
492	Gas companies and systems	258.67	259.26	285.38	281.67	—	6.34	6.37	6.91	6.87	—
493	Combination companies and systems	320.88	317.58	326.03	330.40	—	7.55	7.49	8.05	8.00	—
494-7	Water, steam, and sanitary systems	226.72	230.60	242.11	242.78	—	5.45	5.53	5.82	5.85	—
	WHOLESALE AND RETAIL TRADE	135.46	137.97	145.85	144.54	\$146.73	4.08	4.07	4.38	4.38	\$4.38
50	WHOLESALE TRADE	205.50	208.26	222.48	221.91	225.40	5.31	5.34	5.69	5.69	5.75
501	Motor vehicles and automotive equipment	183.69	186.68	197.22	198.78	—	4.71	4.75	5.07	5.11	—
502	Drugs, chemicals, and allied products	215.27	216.22	232.70	232.54	—	5.71	5.69	6.06	6.04	—
503	Dry goods and apparel	169.45	175.28	184.18	186.11	—	4.72	4.75	5.06	5.03	—
504	Groceries and related products	199.82	204.23	220.03	221.57	—	5.19	5.21	5.73	5.77	—
506	Electrical goods	228.23	230.68	243.60	240.60	—	5.72	5.71	6.09	6.00	—
507	Hardware, plumbing and heating equipment	194.04	194.43	213.15	211.14	—	5.04	5.05	5.41	5.40	—
508	Machinery, equipment, and supplies	226.69	228.45	244.82	241.80	—	5.71	5.74	6.06	6.03	—
509	Miscellaneous wholesalers	201.78	207.13	216.96	217.54	—	5.31	5.38	5.65	5.68	—
52-59	RETAIL TRADE	115.02	118.63	123.24	122.38	125.05	3.64	3.65	3.90	3.91	3.92
53	Retail general merchandise †	105.79	110.10	115.82	114.16	—	3.48	3.43	3.81	3.78	—
531	Department stores †	107.34	111.94	119.59	117.11	—	3.59	3.52	3.96	3.93	—
532	Mail order houses	142.90	146.23	155.82	151.31	—	4.13	4.19	4.61	4.49	—
533	Variety stores	86.13	92.41	88.43	88.15	—	2.90	2.87	3.06	3.05	—
54	Food stores	143.86	146.17	153.28	154.08	—	4.44	4.47	4.79	4.83	—
541-3	Grocery, meat, and vegetable stores	148.46	150.68	158.27	158.57	—	4.54	4.58	4.90	4.94	—
56	Apparel and accessory stores	98.04	105.58	103.60	103.19	—	3.29	3.32	3.50	3.51	—
561	Men's and boys' clothing and furnishings	123.45	131.24	129.04	128.64	—	3.87	3.86	4.02	4.02	—
562	Women's ready-to-wear stores	84.65	91.49	89.57	89.21	—	2.97	2.99	3.11	3.13	—
565	Family clothing stores	96.67	106.57	101.44	101.53	—	3.18	3.21	3.37	3.43	—
566	Shoe stores	101.67	107.57	110.88	109.25	—	3.47	3.55	3.85	3.82	—
57	Furniture and home furnishings stores	151.68	158.47	159.67	159.13	—	4.19	4.26	4.46	4.47	—
571	Furniture and home furnishings	156.95	162.56	163.25	164.22	—	4.30	4.37	4.56	4.60	—
58	Eating and drinking places ⁶	76.72	77.83	80.85	79.92	—	2.80	2.82	2.94	2.96	—
52,55,59	Other retail trade	144.08	146.49	155.36	153.36	—	3.98	3.97	4.28	4.26	—
52	Building materials and farm equipment	163.49	164.74	177.46	175.72	—	4.16	4.16	4.47	4.46	—
551.2	Motor vehicle dealers	190.00	193.03	210.50	208.50	—	4.81	4.85	5.37	5.36	—
553.9	Other automotive and accessory dealers	163.93	167.60	184.14	180.45	—	4.15	4.19	4.54	4.50	—
591	Drug stores and proprietary stores	106.18	108.99	111.91	111.50	—	3.47	3.46	3.61	3.62	—
594	Book and stationery stores	121.18	124.12	131.93	130.48	—	3.65	3.64	3.95	3.93	—
598	Fuel and ice dealers	193.99	200.16	198.30	200.09	—	4.72	4.80	4.97	5.04	—
	FINANCE, INSURANCE, AND REAL ESTATE⁷	161.04	162.58	173.22	172.39	173.38	4.40	4.43	4.72	4.71	4.75
60	Banking	136.14	136.14	144.57	143.35	—	3.74	3.74	3.95	3.96	—
61	Credit agencies other than banks	145.84	146.23	159.94	157.59	—	3.91	3.91	4.22	4.18	—
612	Savings and loan associations	139.83	140.21	152.59	149.11	—	3.81	3.81	4.08	4.03	—
62	Security, commodity brokers and services	287.23	285.70	286.13	(*)	—	7.48	7.44	7.51	(*)	—
63	Insurance carriers	172.33	174.00	184.14	182.90	—	4.62	4.64	4.95	4.93	—
631	Life insurance	168.81	170.38	179.56	178.82	—	4.55	4.58	4.84	4.82	—
632	Accident and health insurance	168.52	171.00	184.68	183.64	—	4.40	4.43	4.86	4.82	—
633	Fire, marine, and casualty insurance	175.21	176.53	186.11	184.50	—	4.71	4.72	5.03	5.00	—

See footnotes at end of table.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P
	TRANSPORTATION AND PUBLIC UTILITIES—Continued										
49	ELECTRIC, GAS, AND SANITARY SERVICES	41.7	41.7	41.3	41.5	—	—	—	—	—	
491	Electric companies and systems	41.6	41.7	41.8	41.9	—	—	—	—	—	
492	Gas companies and systems	40.8	40.7	41.3	41.0	—	—	—	—	—	
493	Combination companies and systems	42.5	42.4	40.5	41.3	—	—	—	—	—	
494-7	Water, steam, and sanitary systems	41.6	41.7	41.6	41.5	—	—	—	—	—	
	WHOLESALE AND RETAIL TRADE	33.2	33.9	33.3	33.0	33.5	—	—	—	—	
50	WHOLESALE TRADE	38.7	39.0	39.1	39.0	39.2	—	—	—	—	
501	Motor vehicles and automotive equipment	39.0	39.3	38.9	38.9	—	—	—	—	—	
502	Drugs, chemicals, and allied products	37.7	38.0	38.4	38.5	—	—	—	—	—	
503	Dry goods and apparel	35.9	36.9	36.4	37.0	—	—	—	—	—	
504	Groceries and related products	38.5	39.2	38.4	38.4	—	—	—	—	—	
506	Electrical goods	39.9	40.4	40.0	40.1	—	—	—	—	—	
507	Hardware; plumbing and heating equipment	38.5	38.5	39.4	39.1	—	—	—	—	—	
508	Machinery, equipment, and supplies	39.7	39.8	40.4	40.1	—	—	—	—	—	
509	Miscellaneous wholesalers	38.0	38.5	38.4	38.3	—	—	—	—	—	
52-59	RETAIL TRADE	31.6	32.5	31.6	31.3	31.9	—	—	—	—	
53	Retail general merchandise	30.4	32.1	30.4	30.2	—	—	—	—	—	
531	Department stores	29.9	31.8	30.2	29.8	—	—	—	—	—	
532	Mail order houses	34.6	34.9	33.8	33.7	—	—	—	—	—	
533	Variety stores	29.7	32.2	28.9	28.9	—	—	—	—	—	
54	Food stores	32.4	32.7	32.0	31.9	—	—	—	—	—	
541-3	Grocery, meat, and vegetable stores	32.7	32.9	32.3	32.1	—	—	—	—	—	
56	Apparel and accessory stores	29.8	31.8	29.6	29.4	—	—	—	—	—	
561	Men's and boys' clothing and furnishings	31.9	34.0	32.1	32.0	—	—	—	—	—	
562	Women's ready-to-wear stores	28.5	30.6	28.8	28.5	—	—	—	—	—	
565	Family clothing stores	30.4	33.2	30.1	29.6	—	—	—	—	—	
566	Shoe stores	29.3	30.3	28.8	28.6	—	—	—	—	—	
57	Furniture and home furnishings stores	36.2	37.2	35.8	35.6	—	—	—	—	—	
571	Furniture and home furnishings	36.5	37.2	35.8	35.7	—	—	—	—	—	
58	Eating and drinking places ⁶	27.4	27.6	27.5	27.0	—	—	—	—	—	
52,55,59	Other retail trade	36.2	36.9	36.3	36.0	—	—	—	—	—	
52	Building materials and farm equipment	39.3	39.6	39.7	39.4	—	—	—	—	—	
551,2	Motor vehicle dealers	39.5	39.8	39.2	38.9	—	—	—	—	—	
553,9	Other automotive and accessory dealers	39.5	40.0	40.0	40.1	—	—	—	—	—	
591	Drug stores and proprietary stores	30.6	31.5	31.0	30.8	—	—	—	—	—	
594	Book and stationery stores	33.2	34.1	33.4	33.2	—	—	—	—	—	
598	Fuel and ice dealers	41.1	41.7	39.9	39.7	—	—	—	—	—	
	FINANCE, INSURANCE, AND REAL ESTATE⁷	36.6	36.7	36.7	36.6	36.5	—	—	—	—	
60	Banking	36.4	36.4	36.6	36.2	—	—	—	—	—	
61	Credit agencies other than banks	37.3	37.4	37.9	37.7	—	—	—	—	—	
612	Savings and loan associations	36.7	36.8	37.4	37.0	—	—	—	—	—	
62	Security, commodity brokers and services	38.4	38.4	38.1	(*)	—	—	—	—	—	
63	Insurance carriers	37.3	37.5	37.2	37.1	—	—	—	—	—	
631	Life insurance	37.1	37.2	37.1	37.1	—	—	—	—	—	
632	Accident and health insurance	38.3	38.6	38.0	38.1	—	—	—	—	—	
633	Fire, marine, and casualty insurance	37.2	37.4	37.0	36.9	—	—	—	—	—	

See footnotes at end of table.

ESTABLISHMENT DATA HOURS AND EARNINGS

C-2. Gross hours and earnings of production or nonsupervisory workers ¹ on private nonagricultural payrolls, by industry—Continued

SIC Code	Industry	Average weekly earnings					Average hourly earnings				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P
	SERVICES	\$149.97	\$150.97	\$161.99	\$161.35	\$162.35	\$4.49	\$4.52	\$4.85	\$4.86	\$4.89
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	97.64	97.92	104.54	103.43	—	3.16	3.20	3.34	3.38	—
	Personal services:										
721	Laundries and dry cleaning plants	116.86	118.29	124.61	124.96	—	3.32	3.37	3.52	3.56	—
722	Photographic studios	126.69	122.36	133.32	141.18	—	3.63	3.62	3.82	3.90	—
	Motion pictures:										
781	Motion picture filming and distributing ...	281.52	267.92	353.03	350.24	—	6.80	6.80	8.87	8.80	—
806	Hospitals	146.63	148.34	164.27	164.46	—	4.30	4.35	4.86	4.88	—

¹ For coverage of series, see footnote 1, table B-2.

² Beginning January 1976, data relate to line haul railroads with operating revenues of \$10,000,000 or more.

³ Data relate to employees in such occupations in the telephone industry as switchboard operators; service assistants; operating room instructors; and pay-station attendants. In 1975, such employees made up 30 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁴ Data relate to employees in such occupations in the telephone industry as central office craft persons; installation and exchange repair craft persons; line, cable and conduit craft

persons; and laborers. In 1975, such employees made up 47 percent of the total number of nonsupervisory employees in establishments reporting hours and earnings data.

⁵ Data relate to nonsupervisory employees except messengers.

⁶ Money payments only; tips, not included.

⁷ Data for nonoffice sales agents excluded from all series in this division.

⁸ Beginning February 1977 data not strictly comparable with those previously published due to change in pay practices of a large employer.

⁹ Not available.

p=preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-2. Gross hours and earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry—Continued**

SIC Code	Industry	Average weekly hours					Average overtime hours				
		Nov. 1976	Dec. 1976	Oct. 1977	Nov., P 1977 ^P	Dec., P 1977 ^P	Nov. 1976	Dec. 1976	Oct. 1977	Nov., P 1977 ^P	Dec., P 1977 ^P
	SERVICES	33.4	33.4	33.4	33.2	33.2	-	-	-	-	-
	Hotels and other lodging places:										
701	Hotels, tourist courts, and motels ⁶	30.9	30.6	31.3	30.6	-	-	-	-	-	
	Personal services:										
721	Laundries and dry cleaning plants	35.2	35.1	35.4	35.1	-	-	-	-	-	
722	Photographic studios	34.9	33.8	34.9	36.2	-	-	-	-	-	
	Motion pictures:										
781	Motion picture filming and distributing ...	41.4	39.4	39.8	39.8	-	-	-	-	-	
806	Hospitals	34.1	34.1	33.8	33.7	-	-	-	-	-	

ESTABLISHMENT DATA HOURS AND EARNINGS

C-3. Employment, hours, and indexes of earnings in the Executive Branch of the Federal Government

[Employment in thousands—includes both supervisory and nonsupervisory employees]

Item	1976				1977								
	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
Executive Branch													
Total employment	2,668.0	2,661.1	2,670.3	2,674.4	2,645.8	2,654.9	2,662.8	2,664.0	2,675.8	2,712.3	3,720.3	2,704.7	2,665.4
Average weekly hours	39.3	39.9	39.6	40.4	39.4	39.5	39.3	39.2	39.2	39.3	39.7	39.7	39.4
Average overtime hours	1.1	1.4	1.2	2.0	1.0	1.0	.9	.9	.9	1.0	1.1	1.2	1.3
Indexes (1967=100):													
Average weekly earnings	199.5	209.7	208.6	215.9	208.9	209.2	208.7	208.7	209.2	208.9	211.1	212.7	214.9
Average hourly earnings	200.0	207.0	207.6	210.5	208.9	208.6	209.2	209.7	210.3	209.5	209.5	211.1	214.9
Department of Defense													
Total employment	917.2	918.0	920.4	919.6	918.4	917.6	918.4	917.4	920.0	932.0	931.6	922.0	909.1
Average weekly hours	39.9	39.9	40.2	40.0	39.9	40.0	39.9	39.6	39.9	39.9	40.0	40.0	39.9
Average overtime hours . . . . .	.9	.8	.8	.7	.7	.7	.7	.7	.7	.8	.7	.8	1.1
Indexes (1967=100):													
Average weekly earnings	195.1	201.5	204.4	203.7	202.3	204.2	203.9	204.3	204.8	203.7	203.4	204.2	208.0
Average hourly earnings	197.0	203.5	204.9	205.2	204.4	205.7	206.0	207.9	206.8	205.7	204.9	205.7	210.1
Postal service													
Total employment	662.8	657.9	664.9	685.7	650.0	649.9	652.3	650.7	652.9	655.6	657.5	656.8	655.0
Average weekly hours	39.6	42.1	40.6	43.8	40.4	40.4	39.6	39.7	39.3	39.3	40.4	39.9	40.1
Average overtime hours	1.4	2.9	2.2	5.5	1.9	1.4	1.2	1.2	1.0	1.1	1.5	1.4	1.7
Indexes (1967=100):													
Average weekly earnings	226.8	243.7	237.6	267.8	240.0	238.0	233.3	234.9	235.6	235.0	241.9	248.6	251.5
Average hourly earnings	221.0	223.5	225.9	236.0	229.3	227.4	227.4	228.4	231.4	230.8	231.1	240.5	242.1
Other agencies													
Total employment	1,088.0	1,085.2	1,085.0	1,069.1	1,077.4	1,087.4	1,092.1	1,095.9	1,102.9	1,124.7	1,131.4	1,125.9	1,101.3
Average weekly hours	38.6	38.7	38.6	38.4	38.2	38.5	38.5	38.6	38.6	38.6	39.0	39.3	38.7
Average overtime hours	1.2	1.1	1.0	.9	.8	.9	.9	.9	1.0	1.1	1.3	1.5	1.2
Indexes (1967=100):													
Average weekly earnings	188.6	199.0	197.5	197.4	197.2	197.5	198.2	198.0	198.7	197.5	200.5	200.1	201.7
Average hourly earnings	189.6	199.5	198.5	199.5	200.2	199.0	199.8	199.0	199.8	198.5	199.5	197.5	202.2

NOTE: Averages presented in this table have been computed using data collected by the U.S. Civil Service Commission from all agencies of the executive branch of the Federal Government; the data cover both salaried workers and hourly paid wage-board employees. Since these

averages relate to hours and earnings of all workers, both supervisory and nonsupervisory, they are not comparable to similar data presented in table C-2 which relate only to production or nonsupervisory workers.

C-4. Average hourly earnings excluding overtime of production workers on manufacturing payrolls, by industry

Major industry group	Average hourly earnings excluding overtime ¹				
	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^p	Dec. 1977 ^p
MANUFACTURING	\$5.14	\$5.21	\$5.53	\$5.56	\$5.61
DURABLE GOODS	5.46	5.55	5.91	5.94	5.99
Ordnance and accessories	5.79	5.84	6.15	6.21	-
Lumber and wood products	4.66	4.67	4.97	4.98	-
Furniture and fixtures	3.97	4.02	4.24	4.28	-
Stone, clay, and glass products	5.19	5.22	5.57	5.61	-
Primary metal industries	6.69	6.73	7.39	7.43	-
Fabricated metal products	5.31	5.39	5.72	5.76	-
Machinery, except electrical	5.67	5.73	6.08	6.11	-
Electrical equipment and supplies	4.91	4.98	5.28	5.32	-
Transportation equipment	6.37	6.57	7.00	7.05	-
Instruments and related products	4.84	4.92	5.12	5.16	-
Miscellaneous manufacturing industries	3.98	4.08	4.26	4.29	-
NONDURABLE GOODS	4.67	4.71	4.97	5.00	5.04
Food and kindred products	4.86	4.92	5.16	5.24	-
Tobacco manufactures	4.72	4.90	5.16	5.38	-
Textile mill products	3.66	3.67	3.90	3.92	-
Apparel and other textile products	3.44	3.47	3.62	3.64	-
Paper and allied products	5.33	5.38	5.76	5.80	-
Printing and publishing	(²)	(²)	(²)	(²)	-
Chemicals and allied products	5.87	5.91	6.30	6.35	-
Petroleum and coal products	6.98	7.01	7.44	7.45	-
Rubber and plastics products, nec	4.72	4.78	4.97	5.00	-
Leather and leather products	3.43	3.45	3.59	3.61	-

¹ Derived by assuming that overtime hours are paid at the rate of time and one-half.

^p = preliminary.

² Not available as average overtime rates are significantly above time and one-half. Inclusion of data for the group in the nondurable goods total has little effect.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-5. Gross and spendable average weekly earnings of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry division, in current and 1967 dollars**

Industry	Gross average weekly earnings			Spendable average weekly earnings					
				Worker with no dependents			Married worker with 3 dependents		
	Nov. 1976	Oct. 1977	Nov. 1977 ^P	Nov. 1976	Oct. 1977	Nov. 1977 ^P	Nov. 1976	Oct. 1977	Nov. 1977 ^P
TOTAL PRIVATE:									
Current dollars	\$180.50	\$195.48	\$194.76	\$146.94	\$161.38	\$160.86	\$159.67	\$177.80	\$177.23
1967 dollars	103.86	105.95	105.05	84.55	87.47	86.76	91.87	96.37	95.59
MINING:									
Current dollars	288.63	319.31	319.24	225.37	243.62	243.57	241.87	269.16	269.10
1967 dollars	166.07	173.07	172.19	129.67	132.04	131.38	139.17	145.89	145.15
CONTRACT CONSTRUCTION:									
Current dollars	289.25	310.20	299.21	225.78	237.57	230.41	242.34	262.69	255.04
1967 dollars	166.43	168.13	161.39	129.91	128.76	124.28	139.44	142.38	137.56
MANUFACTURING:									
Current dollars	215.20	234.09	235.89	172.23	188.27	189.46	185.74	206.80	208.13
1967 dollars	123.82	126.88	127.23	99.10	102.04	102.19	106.87	112.09	112.26
TRANSPORTATION AND PUBLIC UTILITIES:									
Current dollars	267.33	286.08	287.28	210.15	221.93	222.70	225.63	245.67	246.55
1967 dollars	153.81	155.06	154.95	120.91	120.29	120.12	129.82	133.15	132.98
WHOLESALE AND RETAIL TRADE:									
Current dollars	135.46	145.85	144.54	113.64	124.59	123.60	126.65	137.32	136.08
1967 dollars	77.94	79.05	77.96	65.39	67.53	66.67	72.87	74.43	73.40
FINANCE, INSURANCE, AND REAL ESTATE:									
Current dollars	161.04	173.22	172.39	132.86	145.32	144.72	144.76	160.24	159.59
1967 dollars	92.66	93.89	92.98	76.44	78.76	78.06	83.29	86.85	86.08
SERVICES:									
Current dollars	149.97	161.99	161.35	124.54	136.72	136.23	136.54	151.39	150.88
1967 dollars	86.29	87.80	87.03	71.66	74.10	73.48	78.56	82.05	81.38
CONSUMER PRICE INDEX (All items, 1967 = 100)	173.8	184.5	185.4	NOTE: The Consumer Price Index is an estimate of the average change in prices of goods and services purchased by urban wage earners and clerical workers.					

¹For coverage of series, see footnote 1, table B-2.

p = preliminary (applicable to earnings data only).

ESTABLISHMENT DATA HOURS AND EARNINGS

C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry division and major manufacturing group

[1967 = 100]

Industry division and group	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P
	Hours				
TOTAL	113.7	114.9	118.2	118.0	118.7
GOODS-PRODUCING	98.8	97.8	104.9	104.2	102.6
MINING	134.0	133.6	146.3	146.4	112.0
CONTRACT CONSTRUCTION	108.4	100.9	123.7	117.5	109.7
MANUFACTURING	95.9	96.0	100.1	100.4	101.0
DURABLE GOODS	95.2	95.7	100.6	101.1	102.4
Ordnance and accessories	39.5	40.5	38.3	38.5	40.1
Lumber and wood products	99.3	99.9	109.5	108.1	106.4
Furniture and fixtures	105.1	105.9	114.0	114.2	116.5
Stone, clay, and glass products	101.6	98.3	106.7	107.7	105.1
Primary metal industries	85.5	85.9	89.1	89.0	90.8
Fabricated metal products	99.9	100.4	106.9	107.5	108.9
Machinery, except electrical	97.6	99.7	104.6	106.4	109.3
Electrical equipment and supplies	95.4	95.9	100.4	102.0	103.9
Transportation equipment	93.6	94.8	97.4	96.6	99.2
Instruments and related products	110.7	112.9	114.0	115.4	115.5
Miscellaneous manufacturing	96.6	91.8	96.9	96.8	93.8
NONDURABLE GOODS	97.0	96.4	99.5	99.3	98.9
Food and kindred products	98.5	95.5	98.6	96.0	93.5
Tobacco manufactures	92.0	89.4	85.3	82.7	77.4
Textile mill products	96.5	97.5	100.8	102.0	102.3
Apparel and other textile products	88.1	86.0	90.1	90.5	89.0
Paper and allied products	98.3	98.9	101.1	101.3	103.5
Printing and publishing	94.5	96.4	96.4	96.8	98.8
Chemicals and allied products	100.4	100.9	103.1	103.4	103.3
Petroleum and coal products	114.4	113.4	126.0	125.5	124.3
Rubber and plastics products, nec	128.7	129.4	134.7	135.3	136.3
Leather and leather products	71.3	71.0	73.4	74.2	72.9
SERVICE-PRODUCING	124.0	126.8	127.4	127.6	129.8
TRANSPORTATION AND PUBLIC UTILITIES	103.9	104.8	104.3	104.7	105.5
WHOLESALE AND RETAIL TRADE	120.4	126.0	122.7	123.4	128.0
WHOLESALE TRADE	115.5	116.7	119.7	120.0	120.6
RETAIL TRADE	122.2	129.5	123.9	124.7	130.8
FINANCE, INSURANCE, AND REAL ESTATE	128.4	129.2	134.2	134.2	134.6
SERVICES	137.0	137.3	142.5	142.0	142.0

¹For coverage of series, see footnote 1, table B-2.

p = preliminary.

**ESTABLISHMENT DATA
HOURS AND EARNINGS**

**C-6. Indexes of aggregate weekly hours and payrolls of production or nonsupervisory workers¹
on private nonagricultural payrolls, by industry division and major manufacturing group—Continued**

[1967 = 100]

Industry division and group	Nov. 1976	Dec. 1976	Oct. 1977	Nov. 1977 ^P	Dec. 1977 ^P
	Payrolls				
TOTAL	212.6	215.3	238.5	238.3	239.6
GOODS-PRODUCING	189.1	188.8	216.7	215.5	212.2
MINING	278.1	281.1	325.0	326.5	232.3
CONTRACT CONSTRUCTION	207.0	193.4	248.1	235.0	219.6
MANUFACTURING	181.0	184.0	204.5	206.2	209.5
DURABLE GOODS	180.1	184.4	207.1	209.1	214.0
Ordnance and accessories	74.1	76.9	76.5	77.8	81.4
Lumber and wood products	204.2	206.0	242.0	238.4	233.8
Furniture and fixtures	184.0	188.0	215.3	217.6	224.7
Stone, clay, and glass products	196.5	190.6	223.6	226.6	220.9
Primary metal industries	177.7	179.9	206.0	207.1	211.7
Fabricated metal products	185.6	189.5	215.3	217.7	220.2
Machinery, except electrical	180.7	187.4	209.5	213.9	223.6
Electrical equipment and supplies	174.3	178.1	198.0	202.5	209.0
Transportation equipment	182.3	191.3	210.7	209.9	217.8
Instruments and related products	193.7	201.6	211.4	215.8	219.4
Miscellaneous manufacturing	167.9	163.4	181.0	182.5	178.9
NONDURABLE GOODS	182.7	183.5	200.1	201.1	201.8
Food and kindred products	190.1	186.8	202.5	200.3	196.1
Tobacco manufactures	197.6	198.5	199.7	203.1	196.4
Textile mill products	178.6	181.4	199.7	203.3	204.1
Apparel and other textile products	151.8	149.2	163.9	165.4	163.9
Paper and allied products	192.2	195.0	214.5	216.1	222.9
Printing and publishing	167.9	172.3	183.2	184.4	189.0
Chemicals and allied products	197.0	199.5	218.0	219.7	221.4
Petroleum and coal products	232.1	231.0	275.0	273.8	272.3
Rubber and plastics products, nec	231.7	236.1	254.6	256.9	260.9
Leather and leather products	120.6	121.2	130.8	132.9	130.7
SERVICE-PRODUCING	232.8	238.2	257.1	257.9	263.2
TRANSPORTATION AND PUBLIC UTILITIES	213.6	215.4	231.2	232.8	235.9
WHOLESALE AND RETAIL TRADE	218.8	228.7	239.3	241.0	250.1
WHOLESALE TRADE	213.3	216.6	236.7	237.4	241.1
RETAIL TRADE	221.8	235.1	240.7	242.9	254.9
FINANCE, INSURANCE, AND REAL ESTATE	219.0	221.6	245.2	244.9	247.4
SERVICES	268.6	271.2	301.8	301.3	303.7

¹For coverage of series, see footnote 1, table B-2.

p = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED HOURS**

C-7. Average weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted

Industry	1977												
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. ^P	Dec. ^P
TOTAL PRIVATE	36.2	35.8	36.2	36.2	36.2	36.3	36.2	36.1	36.0	36.0	36.2	36.1	36.0
MINING	43.6	43.1	43.5	44.2	44.3	44.1	44.1	44.8	44.2	44.3	44.6	44.6	43.2
CONTRACT CONSTRUCTION	37.2	35.4	37.5	37.2	37.3	37.4	36.8	36.9	36.5	36.4	36.8	36.9	36.5
MANUFACTURING	40.0	39.5	40.3	40.4	40.3	40.4	40.5	40.2	40.3	40.3	40.4	40.5	40.3
<i>Overtime hours</i>	3.2	3.2	3.3	3.3	3.4	3.4	3.4	3.4	3.3	3.3	3.5	3.5	3.4
DURABLE GOODS	40.5	40.0	40.8	41.0	40.8	41.0	41.2	40.9	40.9	41.0	41.2	41.1	40.9
<i>Overtime hours</i>	3.3	3.4	3.4	3.5	3.5	3.6	3.6	3.6	3.5	3.5	3.8	3.7	3.6
Ordnance and accessories	40.9	40.6	40.8	40.7	41.0	41.1	40.8	40.3	40.2	40.6	40.8	40.2	40.8
Lumber and wood products	40.3	40.0	40.4	40.2	40.0	40.0	39.9	40.4	39.6	40.0	40.1	40.5	39.9
Furniture and fixtures	38.5	36.9	38.2	38.6	38.5	38.7	38.9	38.8	39.0	39.2	39.5	39.5	39.5
Stone, clay, and glass products	41.2	40.0	41.4	41.4	41.7	41.6	41.6	41.4	41.4	41.0	41.1	41.7	41.4
Primary metal industries	40.2	40.1	40.7	41.1	41.4	41.5	41.5	41.1	41.0	40.9	41.3	41.3	41.3
Fabricated metal products	40.5	39.8	40.8	41.0	40.8	41.0	41.3	41.0	40.9	40.9	41.1	41.1	41.0
Machinery, except electrical	41.2	40.5	41.4	41.5	41.4	41.6	42.0	41.8	41.8	41.8	42.0	41.9	41.8
Electrical equipment and supplies	40.2	39.4	40.5	40.3	40.1	40.2	40.4	40.2	40.3	40.3	40.3	40.2	40.5
Transportation equipment	41.2	41.6	41.6	42.6	42.0	42.5	42.8	42.0	42.3	42.6	42.7	42.5	41.5
Instruments and related products	40.6	39.7	40.9	40.4	40.3	40.4	40.7	40.3	40.3	40.3	40.6	40.4	40.0
Miscellaneous manufacturing, Ind.	38.9	38.1	39.5	39.2	39.0	39.0	39.3	38.7	38.8	39.0	39.1	39.2	39.2
NONDURABLE GOODS	39.3	38.8	39.5	39.5	39.6	39.5	39.5	39.3	39.3	39.3	39.4	39.5	39.4
<i>Overtime hours</i>	3.0	3.0	3.2	3.1	3.2	3.2	3.1	3.0	3.1	3.0	3.1	3.2	3.2
Food and kindred products	40.1	39.4	40.3	40.2	40.3	40.0	40.0	39.8	39.7	39.5	39.5	39.8	39.5
Tobacco manufactures	37.5	36.1	39.1	38.2	38.2	38.4	38.7	38.6	37.8	38.6	38.2	38.7	37.6
Textile mill products	40.1	40.1	40.5	40.7	40.5	40.5	40.3	40.1	40.2	40.3	40.5	40.6	40.7
Apparel and other textile products	35.2	34.2	35.6	35.6	35.3	35.6	35.8	35.3	35.5	35.3	35.6	35.7	35.8
Paper and allied products	42.5	41.9	42.7	42.8	43.5	42.9	43.1	42.7	42.4	42.7	42.8	42.7	43.1
Printing and publishing	37.7	37.5	37.8	37.7	37.8	37.6	37.7	37.8	37.7	38.0	37.9	37.9	37.8
Chemicals and allied products	41.7	41.6	41.7	41.8	41.8	41.7	41.9	41.7	41.8	41.7	41.6	41.7	41.4
Petroleum and coal products	42.4	42.3	42.4	42.9	42.7	42.6	43.1	42.8	43.0	42.8	43.2	43.3	43.6
Rubber and plastics products, nec	41.4	40.9	41.3	41.2	41.3	41.3	41.2	40.6	40.8	40.7	40.9	40.9	40.8
Leather and leather products	36.4	35.3	36.8	36.5	37.3	37.1	37.2	36.8	37.3	37.6	37.7	37.7	37.2
TRANSPORTATION AND PUBLIC UTILITIES	40.4	39.8	40.5	40.3	40.1	40.3	40.1	39.9	40.0	39.9	39.7	39.9	40.0
WHOLESALE AND RETAIL TRADE	33.6	33.3	33.4	33.4	33.4	33.5	33.3	33.3	33.2	33.2	33.5	33.3	33.2
WHOLESALE TRADE	38.6	38.7	39.1	38.9	38.9	38.8	38.8	38.8	38.8	38.8	39.1	39.0	38.8
RETAIL TRADE	32.2	31.7	31.8	31.8	31.8	31.9	31.7	31.7	31.6	31.6	31.9	31.6	31.6
FINANCE, INSURANCE, AND REAL ESTATE	36.7	36.7	36.6	36.7	36.6	36.7	36.6	36.6	36.7	36.6	36.7	36.7	36.5
SERVICES	33.5	33.5	33.5	33.5	33.5	33.5	33.3	33.2	33.2	33.2	33.5	33.3	33.3

¹For coverage of series, see footnote 1, table B-2.

p = preliminary.

C-8. Average hourly and weekly earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls, seasonally adjusted

Industry	1977												
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. ^P	Dec. ^P
Average hourly earnings													
TOTAL PRIVATE	\$5.02	\$5.07	\$5.10	\$5.13	\$5.17	\$5.20	\$5.22	\$5.27	\$5.28	\$5.32	\$5.38	\$5.39	\$5.41
MINING	6.67	6.69	6.71	6.77	6.79	6.82	6.91	6.95	6.92	7.03	7.13	7.10	6.57
CONTRACT CONSTRUCTION	7.83	7.92	7.90	7.91	7.95	7.97	8.04	8.06	8.08	8.09	8.17	8.16	8.17
MANUFACTURING	5.38	5.43	5.45	5.49	5.53	5.57	5.61	5.66	5.68	5.73	5.79	5.81	5.82
TRANSPORTATION AND PUBLIC UTILITIES	6.65	6.70	6.74	6.76	6.83	6.88	6.88	7.00	6.93	7.03	7.11	7.17	7.23
WHOLESALE AND RETAIL TRADE	4.11	4.15	4.17	4.20	4.23	4.24	4.26	4.30	4.31	4.33	4.37	4.38	4.42
FINANCE, INSURANCE, AND REAL ESTATE	4.43	4.52	4.48	4.50	4.53	4.56	4.54	4.60	4.61	4.65	4.74	4.74	4.75
SERVICES	4.50	4.58	4.58	4.61	4.64	4.66	4.67	4.72	4.76	4.78	4.85	4.85	4.87
Average weekly earnings													
TOTAL PRIVATE:													
Current dollars	181.72	181.51	184.62	185.71	187.15	188.76	188.96	190.25	190.08	191.52	194.76	194.58	194.76
1967 dollars	104.32	103.37	104.13	104.10	104.09	104.34	103.88	104.19	103.76	104.20	105.68	105.06	-
Real spendable earnings (worker and 3 dependents, 1967 dollars)	92.18	91.36	91.80	91.69	91.58	91.69	94.93	95.12	94.73	95.04	96.16	95.62	-

¹For coverage of series, see footnote 1, table B-2.

p = preliminary.

**ESTABLISHMENT DATA
SEASONALLY ADJUSTED**

C-9. Indexes of aggregate weekly hours of production or nonsupervisory workers¹ on private nonagricultural payrolls, by industry division and major manufacturing group, seasonally adjusted

[1967 = 100]

Industry division and group	1976		1977										
	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov. P	Dec. P
TOTAL	113.3	112.3	114.2	115.0	115.4	115.9	115.8	115.8	115.6	115.9	116.8	117.1	117.0
GOODS-PRODUCING	97.0	95.2	98.6	100.1	100.8	101.4	101.8	101.4	100.6	100.9	101.7	102.4	101.8
MINING	133.7	131.3	134.3	140.6	141.6	140.6	142.3	139.9	134.7	142.5	143.9	144.8	112.2
CONTRACT CONSTRUCTION	104.0	95.9	105.8	108.7	111.7	112.4	111.8	112.8	110.8	110.4	112.3	113.9	113.2
MANUFACTURING	94.5	93.9	96.1	97.2	97.5	98.1	98.7	98.0	97.6	97.8	98.4	98.9	99.4
DURABLE GOODS	93.7	93.2	95.2	96.8	96.9	97.8	98.7	98.3	98.1	98.4	99.3	99.6	100.3
Ordnance and accessories	39.4	39.1	39.3	39.2	40.1	40.7	41.0	40.5	39.3	39.1	38.2	38.2	38.7
Lumber and wood products	101.9	101.4	103.0	103.6	103.5	104.1	104.0	105.3	104.0	106.0	106.8	110.2	108.4
Furniture and fixtures	103.3	98.7	103.2	105.3	106.1	107.1	107.9	108.4	107.2	108.3	110.6	112.0	113.5
Stone, clay, and glass products	99.3	96.6	97.4	101.7	103.9	104.2	105.4	104.9	104.1	103.3	103.2	106.3	106.1
Primary metal industries	85.4	85.2	85.9	88.6	89.7	90.7	90.9	89.0	88.2	89.0	89.7	89.6	90.3
Fabricated metal products	98.3	97.3	100.3	101.7	101.3	102.8	104.2	103.7	103.3	103.1	105.0	105.8	106.6
Machinery, except electrical	96.0	95.2	97.9	98.7	98.8	100.2	101.6	103.2	103.5	103.6	105.5	104.9	105.3
Electrical equipment and supplies	93.3	91.9	95.6	96.1	96.3	97.2	97.9	98.3	98.3	97.8	98.8	99.5	101.3
Transportation equipment	90.8	93.4	92.9	96.4	94.7	95.3	96.5	94.8	95.4	96.5	96.2	94.5	94.8
Instruments and related products	110.4	108.7	112.7	111.6	111.7	112.3	113.2	111.7	111.3	112.4	113.2	113.0	112.6
Miscellaneous manufacturing, Ind.	93.0	92.5	96.5	95.5	95.0	94.7	94.6	91.4	91.3	90.3	91.1	92.3	95.2
NONDURABLE GOODS	95.7	94.9	97.3	97.7	98.5	98.5	98.7	97.7	96.9	96.9	97.1	97.8	98.1
Food and kindred products	95.8	94.9	97.5	97.8	98.5	97.3	97.3	95.9	94.5	94.1	92.8	94.1	93.7
Tobacco manufactures	81.6	76.1	82.4	75.1	80.5	78.2	80.2	77.2	71.7	73.2	72.4	72.0	70.0
Textile mill products	96.6	96.7	98.1	99.4	99.6	100.2	99.7	99.9	98.9	99.4	100.2	101.3	101.4
Apparel and other textile products	86.3	84.1	87.9	88.1	87.7	88.6	89.8	87.6	87.8	87.2	87.8	88.8	89.4
Paper and allied products	97.2	96.2	98.2	98.6	100.8	100.4	101.1	100.3	99.4	99.7	100.2	99.9	101.8
Printing and publishing	93.7	93.4	94.6	94.5	95.2	95.1	95.3	95.6	95.1	95.7	95.7	95.9	96.0
Chemicals and allied products	100.1	100.7	101.6	102.2	102.9	103.3	103.8	103.7	103.4	103.0	102.6	103.2	102.8
Petroleum and coal products	114.4	115.0	114.4	118.4	119.6	119.3	121.6	119.9	120.4	120.8	122.8	123.9	125.7
Rubber and plastics products, nec	127.8	128.0	131.8	132.9	134.8	135.3	133.9	132.5	129.7	129.3	130.5	132.2	134.4
Leather and leather products	70.7	69.1	72.1	71.8	73.4	73.3	72.9	69.9	71.8	72.7	73.8	73.5	72.2
SERVICE-PRODUCING	124.7	124.1	125.0	125.3	125.5	125.9	125.6	125.8	126.1	126.4	127.2	127.3	127.6
TRANSPORTATION AND PUBLIC UTILITIES	104.9	102.7	104.4	104.1	103.8	104.6	104.1	103.1	103.5	103.9	102.9	104.1	105.4
WHOLESALE AND RETAIL TRADE	120.3	119.4	120.3	120.7	121.0	121.4	121.2	121.6	121.6	121.8	122.7	122.3	122.2
WHOLESALE TRADE	114.8	115.4	117.1	116.9	117.3	117.3	117.3	117.5	117.5	117.8	118.7	119.1	118.8
RETAIL TRADE	122.3	120.8	121.6	122.1	122.4	123.0	122.7	123.1	123.1	123.3	124.2	123.4	123.4
FINANCE, INSURANCE, AND REAL ESTATE	129.6	130.1	130.2	131.0	131.0	131.6	131.7	132.3	132.7	133.2	134.2	135.2	134.9
SERVICES	138.3	138.8	139.3	139.8	140.1	140.3	139.6	140.1	140.6	140.9	142.7	142.6	143.1

¹ For coverage of series, see footnote 1, table B-2.

p = preliminary.

C-10. Hours of wage and salary workers¹ in nonagricultural establishments, by industry division

Industry division	Millions of hours (Annual rate) ²			Percent change		
	OCTOBER 1977	NOVEMBER 1977 ^p	DECEMBER 1977 ^p	Dec. 1976 to Dec. 1977	Oct. 1977 to Nov. 1977	Nov. 1977 to Dec. 1977
	TOTAL	158,686	157,986	158,120	2.9	-0.4	0.1
PRIVATE SECTOR	128,061	128,237	128,210	3.6	0.1	0.0
MINING	1,992	2,002	1,602	-12.6	0.5	-20.0
CONTRACT CONSTRUCTION	7,484	7,572	7,524	7.9	1.2	-0.6
MANUFACTURING	41,086	41,180	41,396	4.5	0.2	0.5
DURABLE GOODS	24,604	24,610	24,775	6.0	0.0	0.7
NONDURABLE GOODS	16,482	16,570	16,622	2.5	0.5	0.3
TRANSPORTATION AND PUBLIC UTILITIES	9,517	9,606	9,693	1.4	0.9	0.9
WHOLESALE AND RETAIL TRADE	32,198	32,084	32,086	2.0	-0.4	0.0
FINANCE, INSURANCE, AND REAL ESTATE	3,725	3,779	3,765	4.4	0.6	-0.2
SERVICES	27,059	27,015	27,145	4.4	-0.2	0.5
GOVERNMENT	30,625	29,749	29,911	0.4	-2.9	0.5

¹ Data refer to hours of all employees—production workers, nonsupervisory workers and salaried workers—and are based largely on establishment data. See *BLS Handbook of Methods for Survey Studies*, BLS Bulletin 1910—Chapter 30, Productivity Measures: Private Economy and Major Sectors.

² "Annual rate" refers to total hours paid for 1 week in the month, expressed as a seasonally adjusted annual equivalent.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

**C-11. Indexes of output and compensation per hour, unit costs, and prices,
private business sector, seasonally adjusted**

[1967 = 100]

Item	Annual average		Quarterly indexes										
			1975				1976				1977		
	1975	1976	I	II	III	IV	I	II	III	IV	I	II	III
PRIVATE BUSINESS SECTOR:													
Output per hour of all persons	111.8	116.5	108.9	111.7	113.8	113.3	115.4	116.3	117.2	117.2	118.9	118.5	119.9
Output	115.7	126.9	115.1	117.2	120.6	121.8	124.9	126.7	127.7	128.4	131.3	134.0	135.3
Hours	106.1	108.9	105.7	104.9	105.9	107.5	108.3	108.9	109.0	109.5	110.5	113.1	112.9
Compensation per hour	180.2	196.5	176.2	179.0	181.1	184.7	192.5	194.3	198.6	202.7	208.3	211.5	215.9
Real compensation per hour	111.8	115.3	112.0	112.2	111.2	111.6	113.8	114.8	115.6	116.7	117.6	117.0	117.8
Unit labor costs	161.1	163.7	161.7	160.4	159.1	163.9	165.1	167.0	169.4	173.0	175.2	178.4	180.2
Unit nonlabor payments	152.1	159.9	139.8	149.1	158.8	159.0	158.7	160.5	160.8	159.5	160.4	163.0	166.3
Implicit price deflator	158.0	165.6	154.2	156.5	159.4	161.6	162.5	164.8	166.5	168.3	170.1	173.1	175.4
NONFARM BUSINESS SECTOR:													
Output per hour of all persons	109.9	114.3	106.9	109.5	112.0	111.1	112.9	114.4	115.2	114.7	116.0	116.2	117.1
Output	118.7	127.4	115.3	117.1	120.6	121.8	125.2	127.2	129.3	128.7	131.6	134.5	135.6
Hours	108.1	111.4	107.9	106.9	107.7	109.7	111.0	111.3	111.4	112.2	113.5	115.7	115.9
Compensation per hour	177.6	193.1	173.2	176.2	179.2	182.9	196.9	191.1	195.2	198.7	204.2	207.9	211.8
Real compensation per hour	110.2	113.3	110.1	110.4	110.1	110.0	111.7	113.0	113.7	114.4	115.3	115.0	115.6
Unit labor costs	161.7	169.9	162.0	160.9	160.0	163.9	165.6	167.1	169.5	173.3	176.0	178.9	180.9
Unit nonlabor payments	147.7	157.4	136.9	145.4	154.4	153.5	155.3	156.8	159.2	158.1	157.2	160.7	165.6
Implicit price deflator	156.9	165.0	153.4	155.6	158.1	160.3	162.1	163.6	166.0	168.1	169.6	172.7	175.7
MANUFACTURING:													
Output per hour of all persons	116.3	124.2	109.3	113.9	120.5	121.3	122.2	124.0	125.4	125.0	125.1	126.0	127.6
Output	107.6	120.0	101.1	103.8	111.2	114.3	117.8	119.9	121.1	121.2	123.0	126.5	128.2
Hours	92.5	96.6	92.4	91.1	92.3	94.2	96.4	96.7	96.6	97.0	98.3	100.5	100.4
Compensation per hour	178.4	194.8	174.9	178.2	189.7	183.7	189.1	193.3	196.5	200.1	206.3	209.8	213.5
Real compensation per hour	111.3	114.3	111.2	111.7	111.0	111.0	113.1	114.3	114.4	115.2	116.5	116.0	116.6
Unit labor costs	154.3	156.9	159.9	156.4	150.9	151.5	154.8	155.9	156.7	160.0	164.9	166.5	167.3
DURABLE GOODS													
Output per hour of all persons	112.2	120.3	105.1	109.9	116.7	116.9	118.1	120.5	121.7	120.9	120.4	121.9	123.0
Output	102.5	114.9	97.7	99.1	105.6	107.7	111.7	114.9	116.8	116.2	117.6	121.8	124.0
Hours	91.3	95.5	92.8	90.1	90.5	92.2	94.0	95.4	95.9	96.2	97.6	100.0	100.8
Compensation per hour	180.9	197.0	175.0	178.5	192.7	186.9	191.7	196.0	198.5	201.2	207.7	211.9	215.0
Real compensation per hour	112.2	115.5	111.3	112.5	112.2	112.4	114.6	115.9	115.6	115.9	117.3	117.2	117.4
Unit labor costs	161.2	163.7	166.5	163.4	156.0	158.1	162.4	162.8	163.1	166.6	172.5	173.9	174.8
NONDURABLE GOODS													
Output per hour of all persons	123.8	130.5	116.2	120.5	126.7	129.3	129.0	130.9	131.3	131.9	132.8	132.6	135.1
Output	115.3	125.3	106.6	111.4	120.3	124.9	127.0	129.1	129.1	129.4	131.7	134.2	135.1
Hours	84.2	89.3	81.7	82.4	85.0	87.3	88.9	89.6	89.5	89.1	89.2	89.2	100.0
Compensation per hour	177.4	191.7	174.5	176.4	193.3	181.0	185.8	188.5	192.4	193.6	204.3	206.4	210.7
Real compensation per hour	110.1	112.5	111.0	110.0	109.5	109.4	111.1	112.0	112.0	114.3	115.3	114.1	115.0
Unit labor costs	144.3	147.0	150.1	146.6	140.8	141.9	144.8	145.8	147.3	150.0	153.9	155.6	155.9
NONFINANCIAL CORPORATIONS:													
Output per all-employee hour	113.0	117.2	109.0	112.7	115.4	114.3	115.2	117.4	118.0	117.2	118.0	119.3	120.4
Output	124.4	133.9	118.0	122.7	128.9	129.2	131.9	134.0	135.0	135.0	138.0	141.4	142.8
Hours	119.1	114.3	110.0	109.0	109.9	111.6	112.4	114.2	114.6	115.1	116.1	118.5	118.5
Compensation per hour	178.4	194.9	175.9	178.9	189.8	183.8	188.1	193.0	196.8	200.7	206.7	210.3	214.1
Real compensation per hour	111.3	114.3	111.3	111.5	111.0	111.2	113.0	114.1	114.6	115.6	116.7	116.3	116.9
Total unit costs	166.1	172.1	167.0	165.5	164.4	167.6	168.9	170.3	172.5	176.0	178.0	180.0	182.7
Unit labor costs	158.8	166.3	160.6	157.9	156.6	160.2	162.7	164.5	166.0	171.2	173.9	176.2	177.8
Unit nonlabor costs	188.8	190.1	186.0	186.3	182.5	182.6	187.7	188.2	189.1	194.1	195.0	194.3	198.1
Unit profits	93.6	113.2	65.8	97.8	111.2	107.0	113.1	115.0	117.7	117.0	103.7	115.5	120.6
Implicit price deflator	155.3	163.4	152.0	154.0	156.5	159.7	160.5	162.1	164.3	166.4	167.8	170.9	173.5

p=preliminary.
r=revised.

**PRODUCTIVITY
SEASONALLY ADJUSTED**

C-12. Percent changes from preceding quarter and year in productivity, hourly compensation, unit costs, and prices, private business sector, seasonally adjusted at annual rate

Item	Quarterly percent change						Annual percent change					
	I 1976	II 1976	III 1976	IV 1976	I 1977	II 1977	II 1975	III 1975	IV 1975	I 1976	II 1976	III 1976
	to II 1976	to III 1976	to IV 1976	to I 1977	to II 1977	to II 1977	to II 1976	to III 1976	to IV 1976	to I 1977	to II 1977	to III 1977
PRIVATE BUSINESS SECTOR:												
Output per hour of all persons	3.3	3.0	-0.0	5.8	-1.1	4.5	4.2	3.0	3.5	3.0	1.9	2.3
Output	5.9	3.1	2.1	9.6	8.5	4.0	8.1	5.9	5.4	5.1	5.8	6.0
Hours	2.6	0.1	2.1	3.5	9.7	-0.5	3.9	2.8	1.9	2.1	3.8	3.6
Compensation per hour	8.3	9.0	8.6	11.5	6.3	8.6	8.5	9.6	9.8	9.4	8.9	8.7
Real compensation per hour	3.6	2.7	3.9	3.1	-2.2	3.1	2.4	3.9	4.6	3.3	1.8	1.9
Unit labor costs	4.9	5.8	8.6	5.3	7.5	3.9	4.2	6.5	6.1	6.2	6.8	6.3
Unit nonlabor payments	4.5	0.8	-3.2	2.3	6.7	8.3	7.6	0.6	0.3	1.1	1.6	3.4
Implicit price deflator	4.8	4.1	4.6	4.4	7.2	5.3	5.3	4.5	4.1	4.5	5.1	5.4
NONFARM BUSINESS SECTOR:												
Output per hour of all persons	5.5	2.9	-1.8	4.8	0.7	2.9	4.4	2.8	3.2	2.8	1.6	1.6
Output	6.6	3.2	1.3	9.5	8.8	3.5	8.7	6.4	5.6	5.1	5.7	5.7
Hours	1.0	0.4	3.2	4.5	8.1	0.6	4.1	3.4	2.3	2.2	4.0	4.1
Compensation per hour	9.4	8.8	7.4	11.4	7.5	7.6	8.5	8.9	9.2	9.3	8.8	8.5
Real compensation per hour	4.6	2.5	2.7	3.0	-1.2	2.2	2.3	3.3	4.0	3.2	1.8	1.7
Unit labor costs	3.7	5.8	9.4	6.3	6.8	4.5	3.9	5.9	5.8	6.3	7.1	6.7
Unit nonlabor payments	4.0	6.4	-2.8	-2.2	9.1	12.7	7.8	3.1	3.0	1.3	2.5	4.0
Implicit price deflator	3.8	6.0	5.3	3.5	7.5	7.1	5.1	5.0	4.9	4.6	5.6	5.8
MANUFACTURING:												
Output per hour of all persons	6.1	4.4	-1.0	-0.3	2.7	5.4	8.9	4.1	3.1	2.4	1.6	1.8
Output	7.6	3.9	0.5	5.8	12.2	5.4	15.6	8.9	6.1	4.4	5.5	5.9
Hours	1.4	-0.5	1.5	5.5	9.3	0.1	6.2	4.7	2.9	2.0	3.9	4.0
Compensation per hour	9.2	6.7	7.5	13.0	6.9	7.4	8.5	8.7	8.9	9.1	8.5	8.7
Real compensation per hour	4.4	0.5	2.8	4.5	-1.8	2.0	2.3	3.1	3.8	3.0	1.5	1.9
Unit labor costs	2.9	2.2	8.7	12.7	4.1	1.8	-0.3	4.5	5.6	6.5	6.8	6.7
DURABLE GOODS												
Output per hour of all persons	8.4	4.2	-2.9	-1.3	4.9	3.8	9.6	4.3	3.3	2.0	1.2	1.1
Output	12.0	6.7	-2.0	4.8	15.4	7.2	16.0	10.6	7.8	5.2	6.0	6.2
Hours	3.3	2.3	0.9	6.2	9.9	3.3	5.8	6.0	4.4	3.2	4.8	5.0
Compensation per hour	9.4	5.1	5.6	13.5	8.3	6.0	9.2	8.6	8.2	8.4	8.1	8.3
Real compensation per hour	4.6	-1.0	1.0	5.0	-0.4	0.7	3.0	3.0	3.1	2.4	1.1	1.6
Unit labor costs	0.9	0.8	8.8	15.0	3.2	2.2	-0.4	4.2	4.7	6.2	6.8	7.2
NONDURABLE GOODS												
Output per hour of all persons	2.8	4.5	1.7	2.7	-0.5	7.9	7.8	3.7	2.8	2.9	2.1	2.9
Output	1.6	-0.1	4.3	7.2	7.7	2.7	15.0	6.5	3.6	3.2	4.7	5.5
Hours	-1.2	-4.4	2.5	4.4	8.3	4.8	6.7	2.7	0.8	0.3	2.6	2.5
Compensation per hour	8.2	8.6	11.1	12.0	4.2	8.7	7.4	8.5	9.7	9.9	8.9	9.0
Real compensation per hour	3.4	2.3	6.2	3.6	-4.2	3.3	1.3	2.9	4.6	3.9	1.9	2.1
Unit labor costs	5.2	3.9	9.2	9.0	4.7	0.8	-0.3	4.6	6.8	6.8	6.7	5.9
NONFINANCIAL CORPORATIONS:												
Output per all-employee hour	4.0	2.1	-2.5	5.7	1.6	3.8	4.1	2.2	2.1	2.3	1.7	2.1
Output	6.8	2.9	-0.1	9.4	10.1	3.9	9.2	6.3	5.3	4.7	5.5	5.8
Hours	2.6	0.8	2.5	3.5	8.5	0.1	4.9	4.1	3.1	2.4	3.8	3.6
Compensation per hour	8.6	8.1	8.1	12.6	7.1	7.5	8.5	8.9	9.1	9.3	8.9	8.8
Real compensation per hour	3.8	1.9	3.3	4.1	-1.5	2.1	2.3	3.2	4.0	3.3	1.9	2.0
Total unit costs	3.5	5.3	10.3	5.2	3.6	4.7	2.9	4.9	5.5	6.1	6.1	5.9
Unit labor costs	4.4	5.9	10.9	6.4	5.5	3.6	4.2	6.5	6.9	6.9	7.1	6.6
Unit nonlabor costs	1.4	3.8	8.9	1.7	-1.3	8.0	-0.5	0.8	1.9	3.9	3.2	4.2
Unit profits	7.0	9.5	-31.7	-11.6	53.5	19.0	30.9	5.8	-0.7	-8.3	-0.4	2.5
Implicit price deflator	3.9	5.7	5.1	3.5	7.6	6.1	5.3	5.0	4.9	4.6	5.5	5.6

p=preliminary.
r=revised.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P
ALABAMA	\$188.44	\$202.50	\$205.03	40.7	40.5	40.6	\$4.63	\$5.00	\$5.05
Birmingham	229.55	241.49	241.40	40.7	41.0	39.9	5.64	5.89	6.05
Mobile	220.34	256.65	253.95	39.7	41.8	41.7	5.55	6.14	6.09
ALASKA	326.84	398.59	387.09	40.5	40.5	41.2	8.07	9.85	9.39
ARIZONA	212.93	229.23	228.98	39.8	40.5	40.6	5.35	5.66	5.64
Phoenix	209.87	227.20	231.99	39.9	40.5	40.7	5.26	5.61	5.70
Tucson	214.89	226.55	222.72	39.0	39.4	38.6	5.51	5.75	5.77
ARKANSAS	155.93	175.64	178.49	38.5	40.1	40.2	4.05	4.38	4.44
Fayetteville—Springdale	145.04	161.59	164.43	39.2	40.6	40.7	3.70	3.98	4.04
Fort Smith	155.74	180.35	180.25	37.8	39.9	39.1	4.12	4.52	4.61
Little Rock—North Little Rock	183.77	197.90	202.91	39.1	39.5	40.1	4.70	5.01	5.06
Pine Bluff	200.49	220.29	220.25	41.0	41.8	41.4	4.89	5.27	5.32
CALIFORNIA	230.17	246.02	247.65	40.1	40.2	40.4	5.74	6.12	6.13
Anaheim—Santa Ana—Garden Grove	213.72	225.03	230.57	40.4	40.4	41.1	5.29	5.57	5.61
Bakersfield	241.98	244.28	251.10	40.6	39.4	40.5	5.96	6.20	6.20
Fresno	203.38	223.18	225.89	39.8	39.5	40.7	5.11	5.65	5.55
Los Angeles—Long Beach	216.54	230.68	232.23	40.4	40.4	40.6	5.36	5.71	5.72
Modesto	223.26	233.09	247.66	40.3	38.4	40.8	5.54	6.07	6.07
Oxnard—Simi Valley—Ventura	199.14	202.65	210.81	39.2	38.6	39.7	5.08	5.25	5.31
Riverside—San Bernardino—Ontario	230.50	246.40	246.76	39.2	40.0	39.8	5.88	6.16	6.20
Sacramento	244.44	256.90	265.28	38.8	38.4	39.3	6.30	6.69	6.75
Salinas—Seaside—Monterey	220.80	231.65	232.79	38.4	38.1	38.1	5.75	6.08	6.11
San Diego	221.13	235.77	237.37	39.0	39.1	39.3	5.67	6.03	6.04
San Francisco—Oakland	279.00	298.05	301.90	39.8	39.9	40.2	7.01	7.47	7.51
San Jose	252.68	258.70	266.18	40.3	39.8	40.7	6.27	6.50	6.54
Santa Barbara—Santa Maria—Lompoc	203.57	218.43	222.77	39.3	40.3	40.8	5.18	5.42	5.46
Santa Rosa	206.82	222.72	219.70	36.8	38.4	37.3	5.22	5.80	5.89
Stockton	249.21	259.88	271.86	39.0	38.5	39.4	6.39	6.75	6.90
Vallejo—Fairfield—Napa	225.94	251.68	244.78	37.1	38.9	37.2	6.09	6.47	6.58
COLORADO	212.91	230.50	229.71	39.5	39.2	39.2	5.39	5.88	5.86
Denver—Boulder ¹	217.46	233.44	233.44	39.9	39.3	39.3	5.45	5.94	5.94
CONNECTICUT	218.59	237.42	238.98	41.4	41.8	42.0	5.28	5.68	5.69
Bridgeport	231.43	242.24	245.38	42.7	42.8	43.2	5.42	5.66	5.68
Hartford	242.60	256.63	261.32	41.9	42.7	42.7	5.79	6.01	6.12
New Britain	221.31	246.53	246.87	41.6	42.8	42.2	5.32	5.76	5.85
New Haven—West Haven	216.65	234.60	235.34	40.8	40.8	41.0	5.31	5.75	5.74
Stamford	219.34	245.96	245.92	41.7	43.0	42.4	5.26	5.72	5.80
Waterbury	186.68	200.28	203.04	41.3	41.9	42.3	4.52	4.78	4.80
DELAWARE	218.44	239.12	256.54	39.5	39.2	40.4	5.53	6.10	6.35
Wilmington	249.64	278.90	286.42	39.5	39.9	40.8	6.32	6.99	7.02
DISTRICT OF COLUMBIA:									
Washington SMSA	212.39	212.24	212.62	38.9	38.8	38.8	5.46	5.47	5.48
FLORIDA	182.45	193.17	192.64	41.0	41.1	40.9	4.45	4.70	4.71
Fort Lauderdale—Hollywood	181.85	190.59	196.93	41.9	40.9	41.9	4.34	4.66	4.70
Jacksonville	225.91	225.91	222.76	41.0	41.3	41.1	5.51	5.47	5.42
Miami	159.14	166.44	166.40	40.7	40.3	40.0	3.91	4.13	4.16
Orlando	193.66	208.25	211.42	42.1	42.5	42.2	4.60	4.90	5.01
Pensacola	219.66	250.06	249.96	42.0	42.6	41.8	5.23	5.87	5.98
Tampa—St. Petersburg	193.05	202.37	198.94	40.9	41.3	40.6	4.72	4.90	4.90
West Palm Beach—Boca Raton	237.12	227.69	242.61	45.6	41.1	43.4	5.20	5.54	5.59
GEORGIA	171.27	184.73	186.10	40.3	40.6	40.9	4.25	4.55	4.55
Atlanta	208.43	222.71	221.68	39.4	40.2	40.6	5.29	5.54	5.46
Savannah	228.12	252.82	249.40	42.8	44.2	43.0	5.33	5.72	5.80
HAWAII	215.36	224.26	201.82	39.3	38.4	34.5	5.48	5.84	5.85
Honolulu	211.91	223.71	225.13	38.6	37.1	37.9	5.49	6.03	5.94
IDAHO	213.33	242.20	236.01	39.0	40.1	39.8	5.47	6.04	5.93

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P
ILLINOIS	(*)	\$261.21	\$264.00	(*)	40.7	40.8	(*)	\$6.42	\$6.46
Bloomington—Normal	(*)	192.20	207.39	(*)	36.4	38.3	(*)	5.28	5.43
Champaign—Urbana—Rantoul	(*)	247.74	265.02	(*)	40.7	41.6	(*)	6.09	6.37
Chicago SMSA	(*)	263.32	262.33	(*)	41.6	41.5	(*)	6.33	6.32
Davenport—Rock Island—Moline	(*)	284.65	287.90	(*)	41.0	41.4	(*)	6.94	6.95
Decatur	(*)	294.86	310.20	(*)	42.4	43.9	(*)	6.95	7.07
Peoria	(*)	291.13	276.80	(*)	37.2	35.5	(*)	7.82	7.80
Rockford	(*)	263.06	272.56	(*)	43.1	43.8	(*)	6.10	6.22
Springfield	(*)	295.20	303.93	(*)	42.5	42.9	(*)	6.95	7.09
INDIANA	\$250.92	281.52	280.96	40.8	41.4	41.5	\$6.15	6.80	6.77
Gary—Hammond—East Chicago	309.62	352.00	(*)	39.9	40.6	(*)	7.76	8.67	(*)
Indianapolis	255.85	287.85	(*)	41.4	41.9	(*)	6.18	6.87	(*)
IOWA	241.56	273.10	269.61	39.6	40.7	40.3	6.10	6.71	6.69
Cedar Rapids ¹	245.60	257.75	264.40	40.0	39.9	40.0	6.14	6.46	6.61
Des Moines ¹	249.85	272.30	267.00	39.1	38.9	37.5	6.39	7.00	7.12
Dubuque ¹	274.52	329.43	329.22	36.7	39.5	40.1	7.48	8.34	8.21
Sioux City	223.82	217.93	183.54	40.4	37.9	32.2	5.54	5.75	5.70
Waterloo—Cedar Falls ¹	296.04	395.08	394.56	38.8	45.1	45.3	7.63	8.76	8.71
KANSAS	209.72	225.36	225.64	41.3	41.2	41.1	5.08	5.47	5.49
Topeka	234.85	252.10	248.47	43.7	41.6	40.8	5.37	6.06	6.09
Wichita	229.39	236.55	235.09	41.8	41.5	41.1	5.48	5.70	5.72
KENTUCKY	214.40	234.32	232.80	40.3	40.4	40.6	5.32	5.80	5.82
Louisville	253.59	273.88	270.80	41.1	41.0	40.6	6.17	6.68	6.67
LOUISIANA	228.52	249.99	250.75	41.7	42.3	42.5	5.48	5.91	5.90
Baton Rouge	280.50	309.28	307.73	42.5	42.6	43.1	6.60	7.26	7.14
New Orleans	224.31	235.01	235.76	39.7	39.9	40.3	5.65	5.89	5.85
Shreveport	196.99	234.12	228.36	40.7	42.8	41.9	4.84	5.47	5.45
MAINE	170.77	186.40	187.31	38.9	40.0	39.6	4.39	4.66	4.73
Lewiston—Auburn	135.42	146.61	146.12	36.9	37.4	36.9	3.67	3.92	3.96
Portland	173.76	191.28	189.77	38.7	40.1	39.7	4.49	4.77	4.78
MARYLAND	224.58	245.74	250.63	39.4	39.7	40.1	5.70	6.19	6.25
Baltimore	236.02	260.50	265.93	39.6	40.2	40.6	5.96	6.48	6.55
MASSACHUSETTS	196.52	209.87	211.60	39.7	39.9	40.0	4.95	5.26	5.29
Boston	218.40	232.76	232.98	40.0	40.2	40.1	5.46	5.79	5.81
Brockton	156.67	162.06	163.88	38.4	37.0	37.5	4.08	4.38	4.37
Fall River	126.81	145.85	143.72	32.6	35.4	34.8	3.89	4.12	4.13
Lawrence—Haverhill	189.77	205.80	204.62	39.7	39.5	39.2	4.78	5.21	5.22
Lowell	171.20	181.03	182.35	38.3	39.1	39.3	4.47	4.63	4.64
New Bedford	155.05	169.52	167.87	35.4	36.3	36.1	4.38	4.67	4.65
Springfield—Chicopee—Holyoke	206.67	222.14	221.73	41.5	41.6	41.6	4.98	5.34	5.33
Worcester	198.10	215.20	223.44	39.7	40.0	40.7	4.99	5.38	5.49
MICHIGAN	302.93	338.39	338.69	43.7	43.2	43.4	6.93	7.83	7.80
Ann Arbor	340.91	363.96	375.89	45.1	43.5	44.5	7.56	8.37	8.45
Battle Creek	289.76	312.79	318.36	42.0	41.0	42.0	6.90	7.63	7.58
Bay City	328.61	361.65	366.85	49.4	47.8	48.9	6.65	7.57	7.50
Detroit	323.83	362.26	364.02	44.1	43.4	43.6	7.34	8.35	8.35
Flint	351.97	419.14	411.72	46.6	48.1	47.0	7.55	8.71	8.76
Grand Rapids	239.79	266.78	274.20	41.3	41.9	42.4	5.81	6.37	6.47
Jackson	259.49	279.98	282.40	41.8	41.8	42.2	6.21	6.70	6.69
Kalamazoo—Portage	274.05	293.66	294.03	42.6	42.0	42.3	6.43	6.99	6.95
Lansing—East Lansing	313.09	368.22	347.61	43.4	44.9	43.3	7.21	8.20	8.03
Muskegon—Norton Shores—Muskegon Heights	251.22	273.70	285.06	41.4	41.3	42.4	6.07	6.63	6.72
Saginaw	350.66	402.82	419.80	45.2	46.1	46.9	7.76	8.74	8.95
MINNESOTA	228.40	245.62	245.78	40.0	40.2	39.9	5.71	6.11	6.16
Duluth—Superior	202.41	220.03	222.34	39.0	38.4	38.6	5.19	5.73	5.76
Minneapolis—St. Paul	245.84	264.31	264.47	40.5	40.6	40.5	6.07	6.51	6.53
MISSISSIPPI	157.59	172.16	172.53	40.1	40.7	40.5	3.93	4.23	4.26
Jackson	164.83	189.83	197.35	40.3	41.0	41.9	4.69	4.63	4.71

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P
MISSOURI	\$213.86	\$243.76	\$243.54	39.9	40.9	41.0	\$5.36	\$5.96	\$5.94
Kansas City	247.23	279.97	277.47	41.0	41.6	41.6	6.03	6.73	6.67
St. Joseph	199.40	214.38	222.45	39.8	39.7	40.6	5.01	5.40	5.48
St. Louis	250.10	281.06	280.80	40.6	41.7	41.6	6.16	6.74	6.75
Springfield	174.54	196.67	196.95	38.7	39.1	39.0	4.51	5.03	5.05
MONTANA	248.12	300.84	298.49	41.7	43.1	42.1	5.95	6.98	7.09
NEBRASKA	207.70	224.81	217.33	41.1	40.8	39.3	5.05	5.51	5.53
Lincoln	197.41	211.87	211.50	38.8	37.7	37.5	5.09	5.62	5.64
Omaha	227.22	241.35	236.21	41.8	40.7	39.9	5.43	5.93	5.92
NEVADA	228.28	252.06	(*)	39.7	39.2	(*)	5.75	6.43	(*)
Las Vegas	283.50	(*)	(*)	42.0	(*)	(*)	6.75	(*)	(*)
NEW HAMPSHIRE	175.03	189.01	189.41	39.6	40.3	40.3	4.42	4.69	4.70
Manchester	156.75	165.45	167.06	38.8	39.3	39.4	4.04	4.21	4.24
Nashua	199.51	210.22	211.77	40.8	41.3	41.2	4.89	5.09	5.14
NEW JERSEY	225.50	245.08	247.76	41.0	41.4	41.5	5.50	5.92	5.97
Atlantic City	182.49	204.34	203.70	38.5	38.7	38.8	4.74	5.28	5.25
Camden ²	209.60	234.77	236.74	40.0	40.2	40.4	5.24	5.84	5.86
Hackensack ³	229.27	236.13	228.11	42.3	42.7	41.4	5.42	5.53	5.51
Jersey City ³	212.08	239.54	239.57	38.7	40.6	40.4	5.48	5.90	5.93
New Brunswick—Perth Amboy—Sayreville ³	248.40	265.85	274.77	40.0	41.8	43.0	6.21	6.36	6.39
Newark ³	235.72	248.12	256.34	41.5	41.7	42.3	5.68	5.95	6.06
Paterson—Clifton—Passaic ³	216.00	232.78	234.43	41.3	41.2	41.2	5.23	5.65	5.69
Trenton	237.16	273.05	277.55	42.2	43.0	43.3	5.62	6.35	6.41
NEW MEXICO	165.59	180.95	183.71	38.6	40.3	40.2	4.29	4.49	4.57
Albuquerque	169.79	183.75	183.60	38.5	41.2	40.0	4.41	4.46	4.59
NEW YORK	216.26	231.60	234.37	39.9	40.0	40.2	5.42	5.79	5.83
Albany—Schenectady—Troy	242.69	246.44	255.65	41.7	40.6	41.3	5.82	6.07	6.19
Binghamton	192.23	205.64	207.36	40.3	40.4	40.5	4.77	5.09	5.12
Buffalo	282.99	317.25	317.67	41.8	42.3	42.3	6.77	7.50	7.51
Elmira	214.12	227.21	230.28	40.4	40.5	40.4	5.30	5.61	5.70
Monroe County ⁴	279.28	307.15	309.87	42.9	42.6	42.8	6.51	7.21	7.24
Nassau—Suffolk ⁵	198.90	208.95	211.74	39.7	39.8	39.8	5.01	5.25	5.32
New York—Northeastern New Jersey	208.03	221.69	224.64	39.4	39.8	39.9	5.28	5.57	5.63
New York and Nassau—Suffolk ³	193.42	202.61	205.44	38.3	38.3	38.4	5.05	5.29	5.35
New York SMSA ⁵	192.28	201.40	204.22	38.0	38.0	38.1	5.06	5.30	5.36
New York City ⁶	189.63	197.78	199.66	37.7	37.6	37.6	5.03	5.26	5.31
Poughkeepsie	229.62	238.43	251.14	43.0	42.5	43.6	5.34	5.61	5.76
Rochester	261.38	285.95	289.93	42.5	42.3	42.7	6.15	6.76	6.79
Rockland County ⁵	217.85	230.78	237.54	42.3	42.5	42.8	5.15	5.43	5.55
Syracuse	237.89	260.00	262.06	41.3	41.8	41.4	5.76	6.22	6.33
Utica—Rome	206.96	221.82	224.13	40.5	40.7	40.9	5.11	5.45	5.48
Westchester County ⁶	213.33	238.55	248.09	39.8	41.2	42.7	5.36	5.79	5.81
NORTH CAROLINA	154.05	167.18	170.05	39.4	39.9	40.2	3.91	4.19	4.23
Asheville	152.83	166.00	171.78	39.8	40.0	40.9	3.84	4.15	4.20
Charlotte—Gastonia	160.33	170.54	175.09	40.9	40.8	41.1	3.92	4.18	4.26
Greensboro—Winston-Salem—High Point	169.09	180.58	185.44	39.6	39.6	40.4	4.27	4.56	4.59
Raleigh—Durham	172.48	181.34	186.98	39.2	38.5	39.2	4.40	4.71	4.77
NORTH DAKOTA	190.51	217.71	200.54	38.8	39.8	37.0	4.91	5.47	5.42
Fargo—Moorhead	208.26	227.37	217.40	39.0	38.8	36.6	5.34	5.86	5.94
OHIO	264.81	291.75	295.10	41.9	42.1	42.4	6.32	6.93	6.96
Akron	278.21	292.60	291.60	43.0	42.1	42.2	6.47	6.95	6.91
Canton	252.41	289.35	286.72	39.5	40.3	40.1	6.39	7.18	7.15
Cincinnati	250.50	269.24	279.07	42.1	42.2	43.0	5.95	6.38	6.49
Cleveland	275.18	300.88	303.58	42.4	42.8	43.0	6.49	7.03	7.06
Columbus	235.39	245.57	249.48	40.1	39.8	40.5	5.87	6.17	6.16
Dayton	283.16	310.59	309.16	43.9	43.5	43.3	6.45	7.14	7.14
Toledo	273.26	311.18	308.59	42.3	43.1	42.8	6.46	7.22	7.21
Youngstown—Warren	288.72	328.44	334.54	40.1	40.8	41.2	7.20	8.05	8.12

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P	NOV. 1976	OCT. 1977	NOV. 1977P
OKLAHOMA	\$203.68	\$223.58	\$224.81	40.9	40.8	40.8	\$4.98	\$5.48	\$5.51
Oklahoma City	207.41	219.24	226.04	41.4	40.6	41.4	5.01	5.40	5.46
Tulsa	220.86	234.37	239.78	40.6	40.2	41.2	5.44	5.83	5.82
OREGON	240.77	263.55	264.71	38.4	38.7	38.7	6.27	6.81	6.84
Eugene—Springfield	255.18	294.74	293.66	38.9	40.1	39.9	6.56	7.35	7.36
Jackson County	243.66	273.53	258.49	38.8	39.7	37.3	6.28	6.89	6.93
Portland	237.78	253.87	255.42	38.6	38.7	38.7	6.16	6.56	6.60
PENNSYLVANIA	218.44	238.80	241.40	39.5	40.0	40.1	5.53	5.97	6.02
Allentown—Bethlehem—Easton	217.73	231.17	235.68	38.4	38.4	38.7	5.67	6.02	6.09
Altoona	181.07	196.86	185.93	38.2	38.6	36.6	4.74	5.10	5.08
Delaware Valley ⁷	230.04	247.78	248.98	39.8	39.9	39.9	5.78	6.21	6.24
Erie	231.90	254.75	256.43	40.9	41.9	41.9	5.67	6.08	6.12
Harrisburg	193.65	211.20	211.34	39.2	40.0	39.8	4.94	5.28	5.31
Johnstown	238.08	254.87	255.91	38.4	39.7	39.8	6.20	6.42	6.43
Lancaster	197.69	213.84	213.20	40.1	40.5	40.0	4.93	5.28	5.33
Northeast Pennsylvania	159.56	170.75	171.48	36.1	36.1	35.8	4.42	4.73	4.79
Philadelphia SMSA ¹	227.53	(*)	(*)	40.2	(*)	(*)	5.66	(*)	(*)
Pittsburgh	264.54	307.13	306.50	39.9	41.9	41.7	6.63	7.33	7.35
Reading	202.98	221.76	221.03	39.8	39.6	39.4	5.10	5.60	5.61
Scranton ⁸	160.45	180.96	176.78	36.8	37.7	36.6	4.36	4.80	4.83
Wilkes-Barre—Hazleton ⁹	156.82	162.98	166.25	35.4	34.9	35.0	4.43	4.67	4.75
Williamsport	194.64	207.48	211.83	39.4	39.0	39.3	4.94	5.32	5.39
York	198.58	221.01	226.80	41.2	41.7	42.0	4.82	5.30	5.40
RHODE ISLAND	169.15	175.56	176.79	39.8	39.1	39.2	4.25	4.49	4.51
Providence—Warwick—Pawtucket	171.25	176.40	177.30	40.2	39.2	39.4	4.26	4.50	4.50
SOUTH CAROLINA	164.84	179.11	181.66	40.6	40.8	41.1	4.06	4.39	4.42
Charleston—North Charleston	189.20	200.64	203.53	41.4	41.2	41.2	4.57	4.87	4.94
Columbia	161.95	177.60	180.67	39.5	40.0	40.6	4.10	4.44	4.45
Greenville—Spartanburg	163.22	177.39	180.37	40.3	40.5	40.9	4.05	4.38	4.41
SOUTH DAKOTA	184.67	188.37	181.79	39.8	38.6	36.8	4.64	4.88	4.94
Sioux Falls	240.41	247.80	232.16	42.4	42.0	38.5	5.67	5.90	6.03
TENNESSEE	177.32	194.55	195.69	40.3	40.7	40.6	4.40	4.78	4.82
Chattanooga	182.68	199.39	202.90	39.8	40.2	40.5	4.59	4.96	5.01
Knoxville	208.46	230.05	231.96	40.4	41.6	41.2	5.16	5.53	5.63
Memphis	214.35	229.08	227.84	41.3	41.5	41.5	5.19	5.52	5.49
Nashville—Davidson	188.47	213.83	211.15	40.1	41.2	41.0	4.70	5.19	5.15
TEXAS	209.41	230.04	232.25	40.9	41.3	41.4	5.12	5.57	5.61
Amarillo	198.36	226.85	231.44	40.4	41.7	41.7	4.91	5.44	5.55
Austin	175.50	183.94	185.64	41.1	41.9	42.0	4.27	4.39	4.42
Beaumont—Port Arthur—Orange	285.53	317.70	319.14	40.5	41.1	41.5	7.05	7.73	7.69
Corpus Christi	240.96	254.37	256.45	42.2	41.7	42.6	5.71	6.10	6.02
Dallas—Fort Worth	193.11	212.79	212.27	40.4	41.0	40.9	4.78	5.19	5.19
El Paso	140.50	163.93	157.59	36.4	39.5	40.1	3.86	4.15	3.93
Galveston—Texas City	317.75	351.50	352.67	41.7	42.4	42.8	7.62	8.29	8.24
Houston	261.53	290.35	288.77	43.3	43.4	43.1	6.04	6.69	6.70
Lubbock	153.30	165.61	166.04	42.0	41.3	41.2	3.65	4.01	4.03
San Antonio	158.73	176.40	171.80	40.7	42.1	41.7	3.90	4.19	4.12
Waco	180.74	186.91	185.78	40.8	40.9	40.3	4.43	4.57	4.61
Wichita Falls	179.71	192.64	202.44	38.4	40.9	42.0	4.68	4.71	4.82
UTAH	195.82	211.24	211.61	39.4	40.2	40.2	4.97	5.25	5.26
Salt Lake City—Ogden	187.77	198.61	198.96	39.2	40.1	40.1	4.79	4.95	4.96
VERMONT	183.06	195.76	193.26	40.5	41.3	40.6	4.52	4.74	4.76
Burlington	217.77	217.04	218.82	42.7	41.5	41.6	5.10	5.23	5.26
Springfield	194.17	225.34	225.99	40.2	41.5	42.4	4.83	5.43	5.33
VIRGINIA ¹⁰	177.60	192.23	197.32	40.0	40.3	40.6	4.44	4.77	4.86
Bristol	154.88	171.16	173.75	37.5	38.9	39.4	4.13	4.40	4.41
Lynchburg	184.37	196.66	201.55	40.7	40.8	40.8	4.53	4.82	4.94
Norfolk—Virginia Beach—Portsmouth	195.46	224.60	215.59	40.3	42.7	40.6	4.85	5.26	5.31
Northern Virginia ¹¹	205.23	220.86	213.59	40.4	40.6	39.7	5.08	5.44	5.36
Petersburg—Colonial Heights—Hopewell	207.19	227.94	235.97	38.8	38.7	40.2	5.34	5.89	5.87
Richmond	213.33	227.48	236.06	40.1	39.7	40.7	5.32	5.73	5.80

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA HOURS AND EARNINGS

C-13. Gross hours and earnings of production workers on manufacturing payrolls, by State and selected areas—Continued

State and area	Average weekly earnings			Average weekly hours			Average hourly earnings		
	NOV. 1976	OCT. 1977	NOV. 1977 ^P	NOV. 1976	OCT. 1977	NOV. 1977 ^P	NOV. 1976	OCT. 1977	NOV. 1977 ^P
VIRGINIA—Continued									
Roanoke	\$162.00	\$171.25	\$172.10	40.1	40.2	40.4	\$4.04	\$4.26	\$4.26
WASHINGTON	256.11	273.92	268.93	39.1	39.3	38.2	6.55	6.97	7.04
Seattle—Everett	265.44	268.91	269.43	39.5	39.2	38.6	6.72	6.86	6.98
Spokane	226.79	235.90	241.35	38.9	38.8	39.5	5.83	6.08	6.11
Tacoma	251.55	285.19	279.41	38.7	39.5	38.7	6.50	7.22	7.22
WEST VIRGINIA	226.23	248.85	248.69	39.9	39.5	39.6	5.67	6.30	6.28
Charleston	263.08	300.30	290.60	41.3	42.9	42.3	6.37	7.00	6.87
Huntington—Ashland	240.34	257.11	269.30	39.4	37.7	39.2	6.10	6.82	6.87
Parkersburg—Marietta	253.78	260.09	272.39	41.4	40.2	40.9	6.13	6.47	6.66
Wheeling	228.98	262.02	271.51	40.6	39.7	41.2	5.64	6.60	6.59
WISCONSIN	242.65	257.76	262.38	41.2	40.7	41.1	5.88	6.34	6.39
Appleton—Oshkosh	233.00	250.29	260.09	41.8	41.7	42.7	5.58	6.01	6.09
Green Bay	246.81	260.81	261.35	42.8	42.5	42.4	5.77	6.14	6.17
Kenosha	259.50	286.23	288.20	39.4	38.5	38.8	6.58	7.44	7.42
La Crosse	207.63	215.66	225.41	40.8	40.4	41.2	5.09	5.33	5.47
Madison	261.23	266.31	275.00	40.4	39.3	40.0	6.46	6.78	6.87
Milwaukee	263.16	281.71	286.21	40.8	40.6	41.1	6.45	6.93	6.97
Racine	255.88	271.95	285.37	40.6	40.4	41.6	6.31	6.73	6.87
WYOMING	222.08	221.75	229.25	39.8	38.6	39.8	5.58	5.73	5.76
Casper	276.22	264.58	274.28	41.6	38.4	40.1	6.64	6.89	6.84
Cheyenne	248.34	(*)	(*)	40.2	(*)	(*)	6.17	(*)	(*)

¹ Based on the 1967 Standard Industrial Classification Manual.
² Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Burlington, Camden, and Gloucester Counties, New Jersey.
³ Subarea of New York—Northeastern New Jersey.
⁴ Subarea of Rochester Standard Metropolitan Statistical Area.
⁵ Area included in New York and Nassau—Suffolk combined SMSA's.
⁶ Subarea of New York Standard Metropolitan Statistical Area.
⁷ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area: Bucks, Chester, Delaware, Montgomery, and Philadelphia Counties, Pennsylvania.
⁸ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Lackawanna County.

⁹ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area: Luzerne County.
¹⁰ Revised to 1977 benchmark; not strictly comparable with previously published data.
¹¹ Subarea of Washington, D.C. Standard Metropolitan Statistical Area: Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park cities, and Arlington, Fairfax, Loudoun, and Prince William Counties, Virginia.
p=preliminary.
* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-1. Labor turnover rates in manufacturing, 1969 to date

[Per 100 employees]

Year	Annual average	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions													
1969	4.7	4.6	3.9	4.4	4.5	4.8	6.6	5.1	5.6	5.9	5.0	3.6	2.9
1970	4.0	4.0	3.6	3.7	3.7	4.2	5.4	4.4	5.1	4.7	3.8	3.0	2.4
1971	3.9	3.5	3.1	3.5	3.6	4.0	4.9	4.0	5.3	4.8	3.9	3.3	2.5
1972	4.4	4.1	3.7	4.0	4.0	4.9	5.3	4.6	6.0	5.3	4.8	3.6	2.7
1973	4.8	4.6	4.0	4.4	4.5	5.3	5.9	5.1	6.2	5.7	5.2	3.8	2.6
1974	4.2	4.2	3.6	4.0	4.4	5.1	5.4	4.8	5.4	4.9	3.8	2.4	1.8
1975	3.7	3.0	2.7	3.2	3.7	3.9	4.5	4.5	5.1	4.6	3.7	2.8	2.2
1976	3.9	3.8	3.5	4.2	3.9	4.4	4.8	4.2	5.1	4.4	3.5	3.0	2.2
1977	-	3.7	3.7	4.0	3.8	4.6	4.9	4.2	5.2	4.6	3.8	P3.1	
1978													
New hires													
1969	3.7	3.3	3.0	3.4	3.5	3.8	5.4	3.9	4.3	4.8	4.0	2.8	2.1
1970	2.8	2.9	2.5	2.6	2.6	2.8	3.9	3.0	3.5	3.4	2.7	1.9	1.4
1971	2.6	2.0	1.9	2.2	2.3	2.7	3.5	2.7	3.4	3.4	2.7	2.2	1.6
1972	3.3	2.6	2.4	2.7	2.9	3.6	4.1	3.4	4.4	4.3	3.8	2.9	2.0
1973	3.9	3.5	3.1	3.5	3.6	4.4	5.0	4.1	5.0	4.7	4.3	3.0	2.0
1974	3.2	3.2	2.7	3.0	3.3	3.9	4.3	3.7	4.2	3.9	2.9	1.7	1.0
1975	2.0	1.3	1.2	1.3	1.6	2.0	2.5	2.6	3.1	3.0	2.4	1.7	1.3
1976	2.6	2.1	2.1	2.6	2.5	3.0	3.6	2.8	3.5	3.2	2.5	1.9	1.3
1977	-	2.2	2.1	2.6	2.7	3.4	3.7	3.0	3.9	3.5	2.9	P2.2	
1978													
Recalls													
1976	1.0	1.4	1.0	1.2	1.0	1.0	.8	1.0	1.1	.8	.7	.7	.7
1977	-	1.2	1.3	1.1	.9	.8	.8	1.0	1.0	.8	.6	P.6	
1978													
Total separations													
1969	4.9	4.5	4.0	4.4	4.5	4.6	4.6	5.3	6.2	6.6	5.4	4.3	4.2
1970	4.8	4.8	4.3	4.4	4.8	4.6	4.4	5.3	5.6	6.0	5.3	4.3	4.1
1971	4.2	4.2	3.5	3.7	3.9	3.7	3.8	4.8	5.5	5.3	4.3	3.7	3.8
1972	4.2	4.0	3.5	3.8	3.8	3.9	4.2	4.8	5.4	5.3	4.3	3.7	3.7
1973	4.6	4.3	3.7	4.2	4.1	4.4	4.5	5.1	6.5	5.7	4.9	4.2	3.9
1974	4.8	4.9	4.0	4.4	4.2	4.4	4.2	4.9	6.1	5.4	5.0	5.0	5.2
1975	4.2	6.2	4.5	4.2	4.0	3.9	3.6	4.4	4.6	4.3	4.0	3.5	3.4
1976	3.8	3.7	3.1	3.5	3.5	3.4	3.5	4.3	4.9	4.6	4.1	3.4	3.5
1977	-	3.9	3.4	3.4	3.4	3.5	3.5	4.3	5.1	4.8	3.8	P3.3	
1978													
Quits													
1969	2.7	2.3	2.1	2.4	2.6	2.7	2.6	2.7	4.0	4.4	3.0	2.1	1.6
1970	2.1	2.1	1.9	2.0	2.1	2.1	2.1	2.1	3.0	3.3	2.1	1.4	1.2
1971	1.8	1.5	1.3	1.5	1.6	1.7	1.8	1.8	2.8	2.9	2.0	1.5	1.2
1972	2.2	1.7	1.6	1.9	2.0	2.2	2.2	2.2	3.6	3.5	2.5	1.9	1.6
1973	2.7	2.2	2.1	2.5	2.5	2.7	2.8	2.8	4.5	3.9	3.0	2.2	1.6
1974	2.3	2.2	1.9	2.3	2.4	2.6	2.5	2.5	4.0	3.2	2.2	1.4	.9
1975	1.4	1.1	.9	1.0	1.1	1.3	1.3	1.5	2.4	2.0	1.6	1.2	.9
1976	1.7	1.3	1.2	1.5	1.6	1.7	1.8	1.8	2.8	2.4	1.7	1.2	1.0
1977	-	1.4	1.3	1.6	1.7	1.9	1.9	1.9	3.1	2.8	1.9	P1.5	
1978													
Layoffs													
1969	1.2	1.2	1.0	1.0	.9	.9	1.0	1.6	1.1	1.1	1.3	1.3	1.8
1970	1.8	1.7	1.5	1.6	1.7	1.5	1.5	2.3	1.7	1.7	2.2	2.1	2.2
1971	1.6	1.9	1.4	1.4	1.4	1.2	1.2	2.1	1.8	1.5	1.5	1.5	1.8
1972	1.1	1.4	1.1	1.1	1.0	.8	1.1	1.7	.9	.9	.8	1.0	1.3
1973	.9	1.0	.7	.8	.7	.6	.6	1.4	.8	.7	.8	1.1	1.5
1974	1.5	1.7	1.2	1.1	.9	.8	.8	1.4	1.1	1.2	1.8	2.8	3.6
1975	2.1	4.1	2.9	2.5	2.1	1.8	1.5	2.0	1.3	1.4	1.6	1.7	1.9
1976	1.3	1.6	1.1	1.1	1.1	.9	.9	1.6	1.1	1.3	1.5	1.5	1.8
1977	-	1.7	1.4	1.0	.9	.8	.8	1.5	1.0	1.1	1.1	P1.1	
1978													

p=preliminary.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates, by industry

[Per 100 employees]

SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Oct. 1977	Nov. 1977 ^P	Oct. 1977	Nov. 1977 ^P	Oct. 1977	Nov. 1977 ^P	Oct. 1977	Nov. 1977 ^P	Oct. 1977	Nov. 1977 ^P	Oct. 1977	Nov. 1977 ^P
-	MANUFACTURING	3.8	3.1	2.9	2.2	0.6	0.6	3.8	3.3	1.9	1.5	1.1	1.1
19,24,25,32-39	DURABLE GOODS	3.5	2.8	2.7	2.0	.5	.5	3.3	2.9	1.6	1.2	.9	.9
20-23,26-31	NONDURABLE GOODS	4.3	3.4	3.2	2.4	.8	.7	4.5	3.8	2.3	1.8	1.3	1.3
	DURABLE GOODS												
19	ORDNANCE AND ACCESSORIES	1.9	1.6	1.2	.9	.3	.2	2.0	1.8	.6	.4	.9	.9
192	Ammunition, except for small arms	1.7	-	.8	-	.3	-	2.1	-	.6	-	1.0	-
24	LUMBER AND WOOD PRODUCTS	4.8	3.9	4.3	3.3	.4	.4	5.1	4.7	3.2	2.6	.9	1.1
242	Sawmills and planing mills	4.5	-	3.9	-	.5	-	4.6	-	2.9	-	.8	-
2421	Sawmills and planing mills, general	3.9	-	3.3	-	.5	-	4.1	-	2.6	-	.7	-
243	Millwork, plywood and related products	5.1	-	4.6	-	.3	-	5.2	-	3.3	-	.6	-
2431	Millwork	5.5	-	5.0	-	.2	-	5.6	-	3.5	-	.7	-
2432	Veneer and plywood	3.9	-	3.4	-	.4	-	3.7	-	2.3	-	.5	-
244	Wooden containers	7.2	-	6.3	-	.9	-	8.9	-	5.3	-	2.5	-
2441,2	Wooden boxes, shooks, and crates	7.2	-	6.4	-	.7	-	9.7	-	5.5	-	2.9	-
249	Miscellaneous wood products	6.0	-	5.4	-	.3	-	5.5	-	3.8	-	.6	-
25	FURNITURE AND FIXTURES	6.0	4.7	5.5	4.2	.3	.3	5.2	4.3	3.5	2.7	.6	.5
251	Household furniture	6.5	-	6.0	-	.3	-	5.5	-	4.0	-	.4	-
2511	Wood household furniture	6.4	-	5.9	-	.2	-	5.7	-	4.2	-	.3	-
2512	Upholstered household furniture	5.8	-	5.3	-	.4	-	4.7	-	3.6	-	.3	-
2515	Mattresses and bedsprings	6.2	-	5.5	-	.5	-	4.9	-	3.1	-	.7	-
252	Office furniture	3.7	-	3.4	-	.3	-	3.1	-	1.7	-	.6	-
32	STONE, CLAY, AND GLASS PRODUCTS	3.1	2.7	2.5	2.0	.4	.6	3.4	3.2	1.7	1.3	.8	1.1
321	Flat glass	1.1	-	.3	-	.3	-	1.3	-	.5	-	.1	-
322	Glass and glassware, pressed or blown	2.1	-	1.5	-	.4	-	2.5	-	1.0	-	.6	-
3221	Glass containers	1.9	-	1.5	-	.2	-	2.5	-	1.1	-	.6	-
3229	Pressed and blown glass, nec	2.3	-	1.4	-	.6	-	2.6	-	.9	-	.6	-
324	Cement, hydraulic	1.2	-	.8	-	.4	-	1.7	-	.3	-	.8	-
325	Structural clay products	4.9	-	4.4	-	.3	-	5.1	-	3.3	-	.7	-
3251	Brick and structural clay tile	7.3	-	6.7	-	.3	-	6.5	-	5.1	-	.1	-
326	Pottery and related products	3.1	-	2.7	-	.2	-	3.1	-	1.7	-	.3	-
3291	Abrasive products	1.9	-	1.7	-	.1	-	1.9	-	.9	-	.5	-
33	PRIMARY METAL INDUSTRIES	2.3	2.2	1.4	1.1	.7	.9	3.2	2.6	.7	.6	1.6	1.3
331	Blast furnace and basic steel products	1.8	-	.5	-	.9	-	3.9	-	.3	-	2.6	-
3312	Blast furnaces and steel mills	1.8	-	.4	-	1.0	-	4.0	-	.3	-	2.7	-
332	Iron and steel foundries	3.4	-	2.7	-	.5	-	3.9	-	1.5	-	1.2	-
3321	Gray iron foundries	3.2	-	2.4	-	.5	-	4.3	-	1.5	-	1.4	-
3322	Malleable iron foundries	3.9	-	3.3	-	.4	-	3.2	-	1.8	-	.5	-
3323	Steel foundries	3.8	-	3.1	-	.6	-	3.3	-	1.3	-	.8	-
333,4	Nonferrous metals	1.5	-	.9	-	.4	-	1.7	-	.6	-	.4	-
335	Nonferrous rolling and drawing	1.8	-	1.3	-	.3	-	1.6	-	.5	-	.5	-
3351	Copper rolling and drawing	1.1	-	.9	-	.2	-	2.3	-	.7	-	.9	-
3352	Aluminum rolling and drawing	2.0	-	1.3	-	.5	-	1.5	-	.4	-	.6	-
3357	Nonferrous wire drawing, and insulating	2.1	-	1.5	-	.3	-	1.6	-	.6	-	.4	-
336	Nonferrous foundries	4.8	-	3.9	-	.6	-	3.9	-	2.1	-	.7	-
3361	Aluminum castings	5.2	-	4.5	-	.6	-	4.2	-	2.2	-	.7	-
3362,9	Other nonferrous castings	4.1	-	3.1	-	.5	-	3.5	-	2.0	-	.7	-
339	Miscellaneous primary metal products	2.6	-	2.0	-	.5	-	2.0	-	.8	-	.5	-
3391	Iron and steel forgings	2.6	-	1.9	-	.6	-	1.9	-	.7	-	.5	-
34	FABRICATED METAL PRODUCTS	4.0	3.0	3.3	2.3	.5	.5	3.7	3.3	1.8	1.4	.9	1.1
341	Metal cans	3.3	-	.6	-	1.8	-	5.5	-	.6	-	3.6	-
342	Cutlery, hand tools, and hardware	3.5	-	3.0	-	.3	-	2.6	-	1.5	-	.3	-
3421,3,5	Cutlery and hand tools, incl. saws	3.5	-	2.9	-	.3	-	2.4	-	1.4	-	.2	-
3429	Hardware, nec	3.6	-	3.0	-	.2	-	2.7	-	1.6	-	.3	-
343	Plumbing and heating, except electric	4.0	-	3.5	-	.4	-	3.1	-	1.6	-	.7	-
3431,2	Sanitary ware and plumbers' brass goods	3.3	-	2.7	-	.4	-	2.9	-	1.2	-	.9	-
3433	Heating equipment, except electric	4.6	-	4.2	-	.3	-	3.2	-	1.9	-	.4	-
344	Fabricated structural metal products	4.4	-	3.8	-	.5	-	4.4	-	2.3	-	1.1	-
3441	Fabricated structural steel	4.5	-	3.6	-	.8	-	4.7	-	2.2	-	1.4	-
3443	Fabricated plate work (boiler shops)	2.6	-	2.0	-	.4	-	2.4	-	1.1	-	.6	-
3446,9	Architectural and misc. metal work	4.0	-	3.5	-	.4	-	5.3	-	2.3	-	1.9	-
345	Screw machine products, bolts, etc.	3.2	-	2.9	-	.2	-	2.5	-	1.6	-	.3	-
3452	Bolts, nuts, rivets, and washers	2.4	-	2.0	-	.2	-	2.1	-	1.1	-	.4	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates, by industry—Continued

(Per 100 employees)

SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Oct. 1977	Nov. 1977 ^P	Oct. 1977	Nov. 1977 ^P	Oct. 1977	Nov. 1977 ^P	Oct. 1977	Nov. 1977 ^P	Oct. 1977	Nov. 1977 ^P	Oct. 1977	Nov. 1977 ^P
	DURABLE GOODS — Continued												
	FABRICATED METAL PRODUCTS — Continued												
346	Metal stampings	3.9	-	2.8	-	0.6	-	3.0	-	1.3	-	1.0	-
348	Miscellaneous fabricated wire products	4.5	-	4.0	-	.4	-	4.3	-	2.8	-	.6	-
349	Miscellaneous fabricated metal products	3.1	-	2.7	-	.4	-	2.8	-	1.5	-	.6	-
3494,8	Valves, pipe, and pipe fittings	2.8	-	2.5	-	.2	-	2.5	-	1.3	-	.5	-
35	MACHINERY, EXCEPT ELECTRICAL	3.0	2.5	2.3	1.9	.4	.3	2.4	2.2	1.2	0.9	.5	0.6
351	Engines and turbines	2.7	-	1.4	-	.7	-	1.4	-	.5	-	.1	-
3511	Steam engines and turbines	1.5	-	.4	-	.1	-	1.7	-	.3	-	.2	-
3519	Internal combustion engines, nec	3.3	-	2.0	-	1.1	-	1.2	-	.6	-	.1	-
352	Farm machinery	3.3	-	1.9	-	.9	-	4.6	-	1.2	-	2.2	-
353	Construction and related machinery	2.6	-	2.1	-	.3	-	1.9	-	1.0	-	.3	-
3531,2	Construction and mining machinery	1.8	-	1.4	-	.2	-	1.2	-	.6	-	.2	-
3533	Oil field machinery	4.4	-	3.7	-	.5	-	2.9	-	2.0	-	.1	-
3535,6	Conveyors, hoists, cranes, monorails	2.5	-	2.1	-	.4	-	2.4	-	1.3	-	.6	-
354	Metal working machinery	3.1	-	2.5	-	.4	-	2.4	-	1.3	-	.5	-
3541	Machine tools, metal cutting types	2.3	-	1.9	-	.3	-	1.3	-	.7	-	.2	-
3545	Machine tool accessories	2.7	-	2.3	-	.2	-	1.9	-	1.2	-	.1	-
3542,8	Miscellaneous metal working machinery	2.9	-	1.9	-	.8	-	2.4	-	1.0	-	.8	-
355	Special industry machinery	2.3	-	1.9	-	.3	-	2.2	-	1.1	-	.6	-
3551	Food products machinery	2.3	-	2.0	-	.2	-	2.6	-	1.2	.4	.8	-
3552	Textile machinery	2.6	-	1.9	-	.5	-	3.4	-	1.4	-	1.5	-
356	General industrial machinery	2.3	-	1.8	-	.3	-	2.1	-	.9	-	.5	-
3561	Pumps and compressors	2.2	-	1.8	-	.2	-	1.9	-	.9	-	.4	-
3562	Ball and roller bearings	1.9	-	1.1	-	.3	-	1.7	-	.5	-	.4	-
3566	Power transmission equipment	2.4	-	2.1	-	.1	-	1.6	-	.9	-	.2	-
357	Office and computing machines	3.1	-	2.7	-	.1	-	1.9	-	1.3	-	.1	-
3573	Electronic computing equipment	3.1	-	2.7	-	.1	-	1.9	-	1.3	-	(1)	-
358	Service industry machines	4.2	-	3.2	-	.6	-	3.0	-	1.3	-	.7	-
3585	Refrigeration machinery	4.7	-	3.5	-	.7	-	3.4	-	1.4	-	.9	-
36	ELECTRICAL EQUIPMENT AND SUPPLIES	3.3	2.6	2.4	1.8	.4	.3	2.9	2.4	1.4	1.1	.6	.6
361	Electric test and distributing equipment	2.8	-	2.0	-	.2	-	2.5	-	1.3	-	.4	-
3611	Electric measuring instruments	3.2	-	2.5	-	.1	-	2.2	-	1.5	-	.1	-
3612	Transformers	2.6	-	1.4	-	.4	-	2.4	-	.8	-	.5	-
3613	Switchgear and switchboard apparatus	2.6	-	1.8	-	.3	-	3.0	-	1.4	-	.5	-
362	Electrical industrial apparatus	2.5	-	1.7	-	.4	-	2.3	-	1.1	-	.4	-
3621	Motors and generators	2.5	-	1.5	-	.5	-	2.2	-	1.1	-	.3	-
3622	Industrial controls	2.7	-	1.8	-	.4	-	2.3	-	.9	-	.5	-
363	Household appliances	5.2	-	3.6	-	.8	-	4.2	-	1.9	-	1.1	-
3632	Household refrigerators and freezers	5.1	-	1.5	-	1.9	-	4.7	-	1.0	-	2.2	-
3633	Household laundry equipment	2.3	-	.9	-	.7	-	3.6	-	.5	-	2.5	-
3634	Electric housewares and fans	7.3	-	6.3	-	.6	-	5.1	-	3.4	-	.6	-
364	Electric lighting and wiring equipment	3.1	-	2.4	-	.3	-	2.7	-	1.3	-	.4	-
3641	Electric lamps	2.1	-	1.2	-	.3	-	2.1	-	.7	-	.4	-
3642	Lighting fixtures	3.9	-	3.0	-	.5	-	3.0	-	1.6	-	.4	-
3643,4	Wiring devices	2.9	-	2.4	-	.2	-	2.7	-	1.3	-	.5	-
365	Radio and TV receiving equipment	5.4	-	3.1	-	.8	-	5.7	-	1.7	-	1.8	-
366	Communication equipment	2.3	-	1.7	-	.2	-	1.7	-	.8	-	.3	-
3661	Telephone and telegraph apparatus	2.0	-	1.6	-	.2	-	1.5	-	.6	-	.3	-
3662	Radio and TV communication equipment	2.5	-	1.7	-	.3	-	1.7	-	.9	-	.3	-
367	Electronic components and accessories	3.5	-	2.8	-	.3	-	3.3	-	1.8	-	.6	-
3671-3	Electron tubes	2.7	-	1.7	-	.3	-	2.3	-	.8	-	.5	-
3674,9	Other electronic components	3.6	-	3.0	-	.3	-	3.4	-	1.9	-	.6	-
369	Miscellaneous electrical equipment and supplies	3.4	-	2.8	-	.3	-	2.6	-	1.3	-	.3	-
3694	Engine electrical equipment	3.6	-	2.8	-	.4	-	2.8	-	1.4	-	.3	-
37	TRANSPORTATION EQUIPMENT	3.8	-	2.4	-	.9	-	3.3	-	1.3	-	1.1	-
371	Motor vehicles and equipment	3.1	-	1.9	-	.5	-	2.3	-	.9	-	.6	-
3711	Motor vehicles	2.7	-	1.7	-	.2	-	1.9	-	.8	-	.2	-
3712	Passenger car bodies	2.0	-	1.3	-	.1	-	1.1	-	.3	-	.1	-
3713	Truck and bus bodies	2.8	-	2.6	-	.1	-	2.9	-	1.3	-	.9	-
3714	Motor vehicle parts and accessories	3.4	-	1.8	-	.9	-	2.5	-	.8	-	.8	-
372	Aircraft and parts	2.2	-	1.5	-	.4	-	1.7	-	.7	-	.4	-
3721	Aircraft	2.0	-	1.3	-	.4	-	1.7	-	.6	-	.5	-
3722	Aircraft engines and engine parts	1.8	-	1.2	-	.2	-	1.2	-	.4	-	.2	-
3723,9	Other aircraft parts and equipment	3.4	-	2.5	-	.8	-	2.4	-	1.2	-	.5	-
373	Ship and boat building and repairing	7.6	-	3.9	-	3.3	-	7.7	-	2.5	-	3.9	-
3731	Ship building and repairing	8.4	-	3.9	-	4.1	-	8.4	-	2.4	-	4.6	-
374	Railroad equipment	3.2	-	1.9	-	.8	-	3.1	-	.6	-	1.3	-
375,9	Other transportation equipment	6.9	-	5.9	-	.7	-	8.1	-	4.1	-	2.3	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates, by industry—Continued

[Per 100 employees]

SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Oct. 1977	Nov. 1977 ^p	Oct. 1977	Nov. 1977 ^p	Oct. 1977	Nov. 1977 ^p	Oct. 1977	Nov. 1977 ^p	Oct. 1977	Nov. 1977 ^p	Oct. 1977	Nov. 1977 ^p
DURABLE GOODS — Continued													
38	INSTRUMENTS AND RELATED PRODUCTS	2.7	2.3	2.3	1.9	0.2	0.2	2.3	2.1	1.2	1.1	0.4	0.4
381	Engineering and scientific instruments	2.4	-	2.0	-	.2	-	1.6	-	1.1	-	.2	-
382	Mechanical measuring and control devices	2.9	-	2.4	-	.2	-	2.1	-	1.0	-	.3	-
3821	Mechanical measuring devices	2.7	-	2.4	-	.1	-	1.8	-	.9	-	.3	-
3822	Automatic temperature controls	3.4	-	2.5	-	.3	-	2.6	-	1.3	-	.3	-
383,5	Optical and ophthalmic goods	3.1	-	2.8	-	.1	-	2.6	-	1.5	-	.4	-
384	Medical instruments and supplies	2.9	-	2.6	-	.2	-	2.6	-	1.6	-	.4	-
386	Photographic equipment and supplies	1.6	-	1.4	-	.1	-	1.5	-	.7	-	.3	-
387	Watches, clocks, and watchcases	5.4	-	4.3	-	.6	-	5.4	-	2.7	-	1.2	-
39	MISCELLANEOUS MANUFACTURING INDUSTRIES	5.4	3.9	4.4	3.1	.8	.6	5.5	6.4	2.5	2.0	1.9	3.3
391	Jewelry, silverware, and plated ware	6.6	-	5.6	-	.8	-	3.7	-	2.5	-	.5	-
394	Toys and sporting goods	6.4	-	4.9	-	1.2	-	9.1	-	2.9	-	4.3	-
3941-3	Games, toys, dolls and play vehicles	7.3	-	5.7	-	1.3	-	12.7	-	3.5	-	6.9	-
3949	Sporting and athletic goods, nec	5.2	-	3.8	-	1.0	-	4.5	-	2.1	-	1.0	-
395	Pens, pencils, office and art supplies	4.1	-	3.7	-	.3	-	3.2	-	1.9	-	.4	-
396	Costume jewelry and notions	6.7	-	5.6	-	.9	-	6.0	-	3.8	-	1.4	-
393,9	Other manufacturing industries	4.1	-	3.5	-	.5	-	3.9	-	2.1	-	1.0	-
NONDURABLE GOODS													
20	FOOD AND KINDRED PRODUCTS	5.8	4.6	4.1	3.0	1.5	1.3	7.2	5.8	3.1	2.4	3.2	2.8
201	Meat products	6.6	-	5.1	-	1.0	-	6.3	-	4.1	-	1.4	-
2011	Meat packing plants	4.3	-	2.5	-	1.4	-	4.4	-	1.6	-	2.0	-
2015	Poultry dressing plants	11.0	-	10.0	-	.4	-	10.0	-	8.8	-	.1	-
204	Grain mill products	3.7	-	2.8	-	.7	-	3.6	-	1.9	-	1.1	-
2041	Flour and other grain mill products	3.3	-	2.7	-	.4	-	3.1	-	2.1	-	.4	-
2042	Prepared feeds for animals and fowls	4.3	-	3.6	-	.5	-	4.6	-	2.4	-	1.5	-
205	Bakery products	2.5	-	2.3	-	.2	-	3.1	-	1.7	-	.9	-
2051	Bread, cake, and related products	2.5	-	2.3	-	.1	-	2.7	-	1.8	-	.4	-
2052	Cookies and crackers	2.6	-	2.0	-	.4	-	5.3	-	1.4	-	3.2	-
207	Confectionery and related products	6.1	-	4.4	-	1.5	-	5.8	-	2.4	-	2.5	-
2071	Confectionery products	7.1	-	5.2	-	1.6	-	6.9	-	3.0	-	3.0	-
208	Beverages	3.8	-	2.6	-	1.1	-	4.7	-	2.0	-	1.9	-
2082	Malt liquors	3.0	-	1.0	-	1.9	-	5.0	-	.4	-	4.1	-
21	TOBACCO MANUFACTURES	3.0	-	2.4	-	.3	-	4.5	-	1.3	-	2.4	-
211	Cigarettes	1.2	-	.5	-	.3	-	1.5	-	.2	-	.5	-
212	Cigars	3.2	-	2.5	-	.3	-	3.9	-	2.2	-	1.2	-
22	TEXTILE MILL PRODUCTS	4.4	3.7	3.6	2.9	.4	.5	4.4	3.9	2.8	2.3	.6	.7
221	Weaving mills, cotton	3.6	-	2.7	-	.2	-	4.1	-	2.5	-	.5	-
222	Weaving mills, synthetics	3.9	-	3.2	-	.4	-	4.1	-	2.6	-	.5	-
223	Weaving and finishing mills, wool	5.1	-	3.6	-	1.2	-	5.7	-	2.8	-	1.9	-
224	Narrow fabric mills	4.6	-	3.4	-	.8	-	3.9	-	2.6	-	.6	-
225	Knitting mills	4.9	-	4.2	-	.5	-	4.6	-	3.2	-	.6	-
2251	Women's hosiery, except socks	3.5	-	3.0	-	.3	-	3.9	-	2.8	-	.4	-
2252	Hosiery, nec	6.2	-	5.6	-	.4	-	5.0	-	4.1	-	.2	-
2254	Knit underwear mills	5.0	-	4.5	-	.4	-	4.2	-	3.1	-	.2	-
226	Textile finishing, except wool	3.4	-	2.7	-	.4	-	3.1	-	1.7	-	.6	-
227	Floor covering mills	4.4	-	4.0	-	.3	-	4.2	-	2.7	-	.6	-
228	Yarn and thread mills	5.4	-	4.6	-	.5	-	5.2	-	3.9	-	.3	-
229	Miscellaneous textile goods	3.6	-	2.7	-	.6	-	4.1	-	1.8	-	1.0	-
23	APPAREL AND OTHER TEXTILE PRODUCTS	5.8	4.4	4.0	3.1	1.5	1.1	5.3	5.0	3.1	2.5	1.4	1.8
231	Men's and boys' suits and coats	4.0	-	2.1	-	1.4	-	3.4	-	1.8	-	1.1	-
232	Men's and boys' furnishings	5.5	-	4.3	-	.9	-	5.5	-	3.9	-	.9	-
2321	Men's and boys' shirts and nightwear	4.7	-	3.5	-	.9	-	5.6	-	3.3	-	1.6	-
2327	Men's and boys' separate trousers	5.1	-	4.0	-	.8	-	4.6	-	3.7	-	.4	-
2328	Men's and boys' work clothing	6.2	-	5.4	-	.6	-	6.5	-	5.2	-	.5	-
234	Women's and children's undergarments	5.6	-	4.6	-	.7	-	4.7	-	3.3	-	.5	-
2341	Women's and children's underwear	6.0	-	5.0	-	.7	-	5.0	-	3.6	-	.5	-
2342	Corsets and allied garments	4.2	-	3.1	-	.8	-	3.8	-	2.5	-	.5	-
26	PAPER AND ALLIED PRODUCTS	2.5	2.0	1.9	1.4	.4	.4	2.7	2.4	1.2	.9	.8	.9
261,2,6	Paper and pulp mills	1.3	-	1.0	-	.1	-	1.4	-	.5	-	.4	-
263	Paperboard mills	1.6	-	1.2	-	.3	-	1.9	-	.7	-	.5	-

See footnotes at end of table.

**ESTABLISHMENT DATA
LABOR TURNOVER**

D-2. Labor turnover rates, by industry—Continued

[Per 100 employees]

SIC Code	Industry	Accession rates						Separation rates					
		Total		New hires		Recalls		Total		Quits		Layoffs	
		Oct. 1977	Nov. 1977 ^p	Oct. 1977	Nov. 1977 ^p	Oct. 1977	Nov. 1977 ^p	Oct. 1977	Nov. 1977 ^p	Oct. 1977	Nov. 1977 ^p	Oct. 1977	Nov. 1977 ^p
	NONDURABLE GOODS—Continued												
	PAPER AND ALLIED PRODUCTS—Continued												
264	Miscellaneous converted paper products	3.0	-	2.3	-	0.6	-	3.4	-	1.4	-	1.1	-
2643	Bags, except textile bags	3.8	-	3.3	-	.3	-	5.6	-	1.8	-	2.9	-
265	Paperboard containers and boxes	3.4	-	2.7	-	.5	-	3.6	-	1.7	-	1.0	-
2651,2	Folding and setup paperboard boxes	3.8	-	3.0	-	.6	-	4.6	-	1.8	-	1.9	-
2653	Corrugated and solid fiber boxes	3.0	-	2.4	-	.4	-	2.8	-	1.4	-	.5	-
27	PRINTING AND PUBLISHING	3.4	2.7	2.9	2.2	.4	0.4	3.1	2.6	1.9	1.5	.7	0.6
28	CHEMICALS AND ALLIED PRODUCTS	1.4	1.3	1.1	.9	.2	.3	1.5	1.3	.6	.5	.4	.5
281	Industrial chemicals	1.1	-	.9	-	.1	-	1.1	-	.4	-	.2	-
282	Plastics materials and synthetics	1.0	-	.7	-	.2	-	1.2	-	.4	-	.4	-
2821	Plastics materials and resins	1.1	-	.9	-	.1	-	1.3	-	.5	-	.3	-
2823,4	Synthetic fibers . . . . .	.9	-	.5	-	.3	-	1.1	-	.3	-	.5	-
283	Drugs	1.4	-	1.2	-	.1	-	1.1	-	.5	-	.2	-
2834	Pharmaceutical preparations	1.5	-	1.3	-	.1	-	1.1	-	.6	-	.2	-
284	Soap, cleaners, and toilet goods	2.3	-	1.8	-	.4	-	3.1	-	1.0	-	1.3	-
2841	Soap and other detergents	1.5	-	1.2	-	.2	-	1.8	-	.6	-	.7	-
2844	Toilet preparations	2.9	-	2.0	2	.7	-	4.6	-	1.2	-	2.5	-
285	Paints and allied products	1.6	-	1.4	-	.1	-	2.0	-	1.1	-	.4	-
286,9	Other chemical products	2.0	-	1.5	-	.3	-	2.0	-	.9	-	.4	-
29	PETROLEUM AND COAL PRODUCTS	1.8	1.5	1.6	1.4	.1	.1	1.8	2.1	.8	.6	.4	1.0
291	Petroleum refining	1.4	-	1.2	-	(¹)	-	1.2	-	.5	-	.3	-
295,9	Other petroleum and coal products	3.1	-	2.6	-	.4	-	3.7	-	1.8	-	.8	-
30	RUBBER AND PLASTICS PRODUCTS, NEC	4.7	3.7	3.9	2.9	.5	.5	4.6	4.0	2.5	2.0	1.0	1.0
301	Tires and inner tubes	1.2	-	.5	-	.3	-	1.9	-	.4	-	1.0	-
302,3,6	Other rubber products	3.9	-	3.1	-	.5	-	4.2	-	1.9	-	1.2	-
307	Miscellaneous plastics products	6.2	-	5.3	-	.6	-	5.7	-	3.4	-	1.0	-
31	LEATHER AND LEATHER PRODUCTS	6.6	5.8	5.3	4.6	.9	.9	6.6	5.7	4.2	3.4	1.4	1.3
311	Leather tanning and finishing	4.5	-	3.6	-	.8	-	4.5	-	2.6	-	1.0	-
314	Footwear, except rubber	7.2	-	5.7	-	1.0	-	7.1	-	4.6	-	1.3	-
	NONMANUFACTURING												
10	METAL MINING	2.9	3.7	1.8	1.7	.8	1.8	3.8	2.1	1.4	1.2	1.4	.4
101	Iron ores	3.5	-	2.2	-	.6	-	8.5	-	.7	-	5.8	-
102	Copper ores	2.2	-	.5	-	1.5	-	2.2	-	.7	-	.9	-
11,12	COAL MINING	2.0	1.0	1.5	.8	.3	.1	1.5	1.0	.9	.6	.2	.1
12	Bituminous coal and lignite mining	2.1	-	1.5	-	.3	-	1.5	-	1.0	-	.2	-
	COMMUNICATION:												
481	Telephone communication . . . . .	.8	-	-	-	(¹)	-	.7	-	.3	-	.1	-
482	Telegraph communication ²	*	-	-	-	*	-	*	-	*	-	*	-

¹ Less than 0.05.

² Data relate to all employees except messengers.

^p = preliminary.

* = not available.

ESTABLISHMENT DATA
SEASONALLY ADJUSTED LABOR TURNOVER

D-3. Labor turnover rates in manufacturing, 1966 to date, seasonally adjusted

[Per 100 employees]

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Total accessions												
1966	4.9	5.0	5.3	5.1	5.0	4.9	4.9	5.0	5.0	4.9	4.7	4.7
1967	4.5	4.4	4.3	4.3	4.4	4.5	4.4	4.3	4.4	4.4	4.5	4.6
1968	4.4	4.4	4.6	4.6	4.6	4.5	4.5	4.7	4.6	4.8	4.9	4.9
1969	4.9	4.8	4.9	4.9	4.7	5.0	4.7	4.5	4.7	4.6	4.5	4.6
1970	4.4	4.4	4.0	4.0	4.1	4.1	4.1	3.9	3.9	3.8	3.7	3.8
1971	3.8	3.7	3.7	3.8	3.8	3.8	3.8	4.0	4.0	3.9	4.0	4.2
1972	4.3	4.3	4.4	4.3	4.4	4.2	4.3	4.4	4.4	4.6	4.6	4.9
1973	5.0	5.1	5.0	4.8	4.7	4.6	4.6	4.6	4.7	4.8	4.9	4.7
1974	4.7	4.6	4.5	4.5	4.6	4.3	4.2	4.1	3.9	3.6	3.1	3.1
1975	3.1	3.2	3.2	3.7	3.6	3.7	4.0	4.0	3.8	3.7	3.8	3.9
1976	4.1	4.2	4.3	4.1	4.0	3.8	3.8	3.8	3.7	3.6	3.9	4.1
1977	4.0	4.6	4.2	4.0	4.1	3.9	3.8	3.8	3.9	3.8	P4.1	
1978												
New hires												
1966	3.7	3.8	4.1	4.0	4.0	3.9	3.8	3.7	3.7	3.9	3.7	3.6
1967	3.4	3.4	3.2	3.1	3.1	3.3	3.2	3.1	3.3	3.3	3.4	3.5
1968	3.3	3.3	3.4	3.5	3.5	3.4	3.4	3.5	3.6	3.6	3.6	3.7
1969	3.7	3.8	3.9	3.8	3.7	3.9	3.6	3.5	3.7	3.6	3.5	3.5
1970	3.4	3.2	2.9	2.8	2.7	2.8	2.8	2.7	2.6	2.5	2.4	2.4
1971	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.6	2.5	2.7	2.9
1972	3.0	3.0	3.1	3.2	3.2	3.1	3.2	3.2	3.4	3.5	3.7	3.8
1973	4.0	4.2	4.1	3.9	3.9	3.8	3.7	3.7	3.7	3.8	3.9	3.8
1974	3.8	3.6	3.6	3.5	3.5	3.3	3.2	3.1	2.9	2.6	2.2	1.9
1975	1.6	1.6	1.5	1.7	1.8	1.9	2.3	2.3	2.2	2.2	2.3	2.5
1976	2.6	2.8	2.9	2.8	2.7	2.7	2.5	2.5	2.4	2.4	P2.5	2.6
1977	2.7	2.9	3.0	3.0	3.0	2.8	2.7	2.7	2.7	2.7	P2.9	
1978												
Total separations												
1966	4.3	4.3	4.5	4.5	4.6	4.7	4.9	4.8	4.6	4.6	4.8	4.9
1967	4.8	4.9	4.9	4.7	4.6	4.6	4.5	4.3	4.5	4.5	4.4	4.5
1968	4.7	4.6	4.5	4.5	4.4	4.5	4.6	4.7	4.7	4.6	4.6	4.6
1969	4.6	4.9	4.9	4.8	4.8	5.0	4.8	4.9	4.9	5.0	4.9	4.9
1970	5.0	5.2	4.9	5.2	5.0	4.8	4.5	4.8	4.8	5.0	4.7	4.4
1971	4.3	4.1	4.0	4.1	4.2	4.1	4.2	4.6	4.3	4.1	4.1	4.1
1972	4.2	4.1	4.0	4.3	4.2	4.5	4.4	4.1	4.0	4.2	4.2	4.4
1973	4.5	4.6	4.6	4.5	4.6	4.6	4.7	4.6	4.4	4.6	4.7	4.9
1974	4.9	4.9	4.9	4.8	4.6	4.6	4.5	4.6	4.5	4.8	5.1	5.0
1975	5.2	5.0	4.6	4.5	4.6	4.3	3.9	3.9	3.8	3.8	3.8	3.6
1976	3.5	3.6	3.9	3.9	3.8	3.9	3.9	4.0	3.9	3.9	3.6	3.7
1977	3.8	4.1	3.8	3.8	3.8	3.8	3.9	3.9	3.9	3.7	P3.6	
1978												
Quits												
1966	2.3	2.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.7
1967	2.5	2.5	2.4	2.4	2.3	2.4	2.2	2.2	2.3	2.3	2.3	2.4
1968	2.4	2.4	2.4	2.4	2.4	2.4	2.5	2.6	2.6	2.5	2.6	2.6
1969	2.7	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6
1970	2.5	2.5	2.3	2.3	2.1	2.1	2.1	2.0	2.0	1.9	1.8	1.9
1971	1.8	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	1.9
1972	2.1	2.1	2.1	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.4	2.6
1973	2.7	2.9	2.8	2.8	2.7	2.7	2.8	2.7	2.6	2.8	2.8	2.8
1974	2.7	2.7	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.8	1.6
1975	1.4	1.3	1.2	1.2	1.3	1.3	1.4	1.4	1.3	1.5	1.6	1.6
1976	1.6	1.7	1.8	1.8	1.7	1.7	1.7	1.6	1.6	1.6	1.5	1.7
1977	1.8	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8	P1.9	
1978												
Layoffs												
1966	1.2	1.1	1.1	1.1	1.1	1.2	1.5	1.2	1.0	1.1	1.2	1.3
1967	1.4	1.5	1.6	1.5	1.4	1.3	1.4	1.3	1.3	1.3	1.2	1.2
1968	1.4	1.3	1.2	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.1	1.1
1969	1.0	1.1	1.1	1.0	1.1	1.3	1.1	1.2	1.2	1.3	1.3	1.4
1970	1.5	1.7	1.8	1.9	1.9	1.9	1.6	1.9	1.9	2.2	2.0	1.7
1971	1.7	1.5	1.5	1.5	1.6	1.5	1.5	2.0	1.7	1.5	1.4	1.3
1972	1.2	1.2	1.1	1.2	1.1	1.4	1.3	1.1	1.0	1.0	.9	.9
1973	.8	.7	.8	.8	.8	.8	1.1	.9	.8	.8	.9	1.1
1974	1.3	1.2	1.1	1.1	1.1	1.2	1.2	1.4	1.4	1.9	2.4	2.5
1975	2.9	2.9	2.6	2.5	2.5	2.2	1.7	1.7	1.7	1.6	1.5	1.3
1976	1.1	1.0	1.2	1.3	1.3	1.4	1.4	1.5	1.5	1.5	1.3	1.2
1977	1.2	1.4	1.1	1.1	1.1	1.2	1.3	1.3	1.3	1.1	P.9	
1978												

p=preliminary.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

D-4. Labor turnover rates in manufacturing for selected States and areas

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Sept. 1977	Oct. 1977 ^P	Sept. 1977	Oct. 1977 ^P	Sept. 1977	Oct. 1977 ^P	Sept. 1977	Oct. 1977 ^P	Sept. 1977	Oct. 1977 ^P	Sept. 1977	Oct. 1977 ^P
ALABAMA:												
Birmingham	3.3	1.7	2.3	1.2	0.6	0.3	3.4	2.1	1.4	0.9	1.1	0.6
Mobile ¹	5.7	6.1	2.4	1.7	3.3	4.3	9.1	8.2	2.9	1.8	5.4	5.7
ALASKA	9.8	7.3	7.6	5.8	1.8	.7	22.6	14.3	9.7	6.0	11.9	7.6
ARIZONA	5.0	4.7	4.2	3.9	.6	.6	4.7	4.3	2.8	2.5	.8	.8
Phoenix	5.0	5.0	4.1	4.2	.6	.6	4.3	4.3	2.7	2.5	.5	.6
ARKANSAS	7.6	6.2	6.7	5.3	.5	.5	7.4	6.2	5.5	4.2	.5	.6
Fort Smith	8.7	7.2	7.8	6.3	.3	.3	7.9	7.9	6.0	5.4	.1	1.0
Little Rock—North Little Rock	7.3	4.8	6.3	4.2	.7	.4	6.1	4.5	4.3	3.0	.4	.4
Pine Bluff	6.5	5.5	5.1	4.8	1.2	.4	5.9	5.7	4.5	3.8	.5	.7
COLORADO²	5.2	8.5	4.4	4.8	.5	3.4	5.7	4.0	3.6	2.3	.9	.7
Denver—Boulder ²	5.0	4.2	4.5	4.0	.3	.2	5.3	3.2	3.2	2.0	1.2	.3
CONNECTICUT	2.6	2.3	2.0	1.8	.3	.3	3.1	2.2	1.6	1.0	.6	.5
Hartford	2.1	1.9	1.7	1.5	(*)	(*)	2.3	1.5	1.1	.8	.5	.2
DELAWARE¹	3.0	2.4	1.5	1.2	.8	.3	2.5	2.0	1.1	.9	.6	.5
Wilmington ¹	2.7	2.1	1.2	.9	.8	.4	2.3	1.9	1.0	.7	.7	.6
DISTRICT OF COLUMBIA:												
Washington SMSA	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)	(*)
FLORIDA	5.5	5.8	4.7	4.6	.6	1.0	5.7	4.7	3.5	2.9	1.1	.9
Fort Lauderdale—Hollywood	5.6	6.0	5.2	5.3	.3	.5	5.0	4.0	3.6	2.8	.3	.2
Jacksonville	4.5	4.3	3.8	3.6	.5	.4	5.4	4.4	2.9	2.2	1.5	1.4
Miami	4.6	6.4	4.1	5.5	.5	.8	5.4	4.3	3.0	2.8	1.5	.7
Orlando	5.4	5.1	4.6	3.7	.6	1.2	4.9	3.6	3.7	2.3	.4	.6
Pensacola	1.6	1.4	1.5	1.4	(³)	(³)	2.4	2.0	2.0	1.3	(³)	.4
Tampa—St. Petersburg	6.6	5.9	5.9	5.3	.6	.5	7.1	5.5	4.5	3.5	1.4	.8
West Palm Beach—Boca Raton	3.6	4.8	3.3	3.4	.2	1.1	3.0	3.0	1.8	2.2	.3	.2
GEORGIA	4.7	4.2	4.1	3.5	.4	.3	5.1	3.9	3.6	2.6	.5	.5
Atlanta ⁴	4.3	3.3	3.8	2.8	.3	.3	4.5	3.1	2.9	1.5	.7	.7
HAWAII⁵	2.4	2.0	2.0	1.8	.2	.1	3.1	1.8	1.1	.9	1.4	.4
IDAHO⁶	5.8	5.0	5.2	4.5	.4	.5	6.0	4.7	4.0	3.6	1.0	1.0
ILLINOIS:												
Chicago SMSA	3.7	3.5	3.1	3.0	.3	.2	4.0	3.5	2.1	1.7	.7	.7
INDIANA	3.7	2.8	2.8	2.0	.5	.3	3.5	3.2	1.9	1.3	.7	1.1
Indianapolis ⁷	3.8	2.6	3.0	2.0	.4	.1	3.5	2.3	2.2	1.1	.4	.5
IOWA²	4.3	(*)	2.9	(*)	1.1	(*)	3.7	(*)	2.2	(*)	.8	(*)
Cedar Rapids ²	3.8	(*)	2.7	(*)	.9	(*)	3.0	(*)	1.6	(*)	.9	(*)
Des Moines ²	5.7	(*)	3.1	(*)	2.0	(*)	3.4	(*)	2.2	(*)	.1	(*)
KANSAS	5.2	4.4	4.7	3.8	.3	.5	5.0	3.9	3.5	2.7	.5	.4
Topeka	3.8	3.0	3.6	2.1	.1	.8	4.6	2.5	3.2	1.5	.8	.5
Wichita	5.4	4.8	4.5	4.3	.6	.3	4.4	3.9	3.4	2.8	.1	.1
KENTUCKY	3.9	4.7	2.7	3.2	.5	1.0	4.5	3.7	2.4	1.8	.9	1.0
Louisville	2.6	2.5	1.3	1.3	.7	.4	3.4	2.3	1.7	.9	.4	.2
LOUISIANA:												
New Orleans	4.4	4.4	3.5	3.0	.5	1.1	5.2	3.6	2.6	2.2	1.1	.4
MAINE	6.6	5.7	5.1	4.6	1.2	.9	8.4	5.4	4.9	3.4	2.4	1.1
Portland	4.3	3.4	3.1	2.5	1.0	.6	5.6	3.2	4.0	2.3	.6	.3
MARYLAND	3.0	2.7	2.2	1.5	.7	1.0	3.3	3.2	1.5	1.0	1.0	1.7
Baltimore	2.8	2.5	2.1	1.4	.6	.9	3.1	3.0	1.3	.8	1.1	1.6
MASSACHUSETTS	5.3	3.4	3.2	2.7	1.8	.5	4.0	2.9	2.4	1.5	.5	.7
Boston	4.6	3.0	2.6	2.1	1.7	.7	3.6	2.5	2.1	1.2	.6	.7
MICHIGAN	3.9	3.0	2.2	2.0	1.3	.5	3.1	2.4	1.5	.9	.7	.6
Detroit	5.2	2.9	2.3	2.0	2.4	.4	3.3	2.6	1.8	1.1	.6	.5
Flint	2.8	1.9	2.2	1.3	.2	(³)	1.7	1.4	.8	.4	.2	.2
Grand Rapids	4.2	4.2	3.1	2.8	.6	.6	3.7	2.6	1.8	1.2	.7	.6
Lansing—East Lansing	4.8	5.8	3.1	3.9	.8	.9	3.1	3.2	1.2	.7	.5	.6

See footnotes at end of table.

ESTABLISHMENT DATA STATE AND AREA LABOR TURNOVER

D-4. Labor turnover rates in manufacturing for selected States and areas—Continued

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Sept. 1977	Oct. 1977 ^P	Sept. 1977	Oct. 1977 ^P	Sept. 1977	Oct. 1977 ^P	Sept. 1977	Oct. 1977 ^P	Sept. 1977	Oct. 1977 ^P	Sept. 1977	Oct. 1977 ^P
MINNESOTA	3.9	3.6	3.0	2.8	0.7	0.6	5.9	3.7	3.4	1.9	1.9	1.3
Minneapolis—St. Paul	3.1	3.0	2.6	2.4	.3	.5	4.4	2.6	2.9	1.5	.8	.5
MISSISSIPPI:												
Jackson	3.8	4.2	2.9	3.8	.3	.4	4.3	4.2	2.9	2.6	.7	.8
MISSOURI	4.6	3.8	3.1	3.0	1.2	.6	3.8	3.6	2.0	1.8	1.0	.9
Kansas City	6.2	3.2	3.2	2.7	2.9	.4	3.6	3.0	2.0	1.7	.6	.6
St. Louis	2.7	2.7	2.0	2.1	.5	.5	2.9	3.0	1.1	1.2	1.1	1.0
MONTANA	4.8	4.6	4.3	4.4	(*)	(*)	5.5	3.5	3.6	2.0	.6	.9
NEBRASKA	5.0	3.9	4.2	3.5	.6	.3	4.6	4.2	3.3	2.4	.5	1.0
NEVADA	6.6	7.0	6.2	6.5	.4	.2	8.0	6.2	4.7	4.6	1.3	.7
NEW HAMPSHIRE	4.9	4.0	3.7	3.6	.9	.2	4.5	3.4	3.3	2.5	.4	.3
NEW JERSEY:												
Camden ⁸	3.0	2.7	2.3	2.2	.5	.2	3.8	2.9	1.6	1.0	.9	.9
Hackensack	5.7	3.5	3.6	2.9	1.9	.4	4.2	4.2	2.3	1.8	.6	1.5
Jersey City	3.7	2.7	2.2	1.9	1.3	.7	3.9	3.7	1.4	.8	1.5	2.1
Newark	3.3	2.7	2.5	2.1	.5	.4	3.5	2.7	1.7	1.1	.8	.8
New Brunswick—Perth Amboy—Sayreville	3.8	3.9	3.1	2.9	.4	.7	4.5	3.0	2.1	1.1	1.0	.7
Paterson—Clifton—Passaic	3.8	3.7	2.9	2.7	.5	.8	4.3	2.9	1.7	1.1	1.6	1.1
Trenton	3.2	2.8	2.6	2.4	.2	.3	3.3	2.7	1.6	1.0	.6	.8
NEW YORK	4.2	3.7	2.8	2.4	1.2	1.0	4.4	3.5	1.9	1.3	1.5	1.4
Albany—Schenectady—Troy	3.1	2.6	1.9	1.5	.6	.5	3.3	2.7	1.7	.9	.5	.8
Binghamton	3.3	4.1	2.6	3.8	.5	.3	2.8	3.6	1.6	1.8	.5	.6
Buffalo	3.5	2.6	2.0	1.3	1.2	1.0	3.7	3.3	1.2	.7	1.7	1.9
Elmira	1.9	2.1	1.4	1.5	.3	.3	2.0	3.0	.9	.9	.8	1.3
Monroe County ⁹	1.6	1.9	1.4	1.3	.1	.1	2.7	1.9	1.6	.9	.5	.5
Nassau—Suffolk ¹⁰	5.3	5.2	4.4	4.1	.8	.9	5.6	3.9	3.5	2.0	1.1	.9
New York and Nassau—Suffolk	4.8	4.7	3.2	3.0	1.4	1.5	5.0	3.9	2.0	1.4	2.0	1.6
New York SMSA ¹⁰	4.7	4.6	2.9	2.8	1.5	1.7	4.9	3.9	1.6	1.2	2.2	1.8
New York City ¹¹	4.9	4.8	3.0	2.9	1.7	1.9	5.3	4.1	1.6	1.2	2.5	2.0
Rochester	2.6	2.6	2.1	1.9	.4	.3	3.5	3.0	2.1	1.3	.8	1.2
Syracuse	3.1	2.5	2.1	1.7	.8	.5	3.4	2.8	1.7	1.0	.8	1.0
Utica—Rome	3.6	3.1	2.3	1.8	1.2	1.1	3.8	2.5	1.7	.9	1.4	1.1
Westchester County ¹¹	3.4	3.1	2.5	2.1	.6	.6	2.8	2.2	1.5	1.1	.7	.4
NORTH CAROLINA	5.0	4.4	4.1	3.7	.5	.3	4.6	4.1	3.5	2.8	.2	.4
Charlotte—Gastonia	5.6	5.1	4.9	4.4	.2	.3	5.8	4.6	4.4	3.6	.4	.1
Greensboro—Winston-Salem—High Point	4.7	4.3	4.1	3.7	.2	.1	4.7	4.1	3.5	2.7	.3	.4
NORTH DAKOTA	11.0	5.8	4.9	4.0	5.6	1.7	6.4	4.6	4.2	2.6	.7	.9
Fargo—Moorhead	6.7	5.7	2.6	1.9	4.0	3.8	4.4	2.5	3.5	1.5	.5	.5
OHIO	2.9	2.5	2.0	1.7	(*)	(*)	4.1	2.9	2.0	1.0	1.1	1.1
Akron	1.9	1.8	1.2	1.2	(*)	(*)	1.8	2.3	.9	.5	.4	1.2
Canton	2.7	2.4	1.7	1.4	(*)	(*)	4.4	2.6	2.2	1.0	1.1	.5
Cincinnati	2.2	2.1	1.8	1.8	(*)	(*)	3.0	2.3	1.6	1.2	.6	.4
Cleveland	2.8	2.7	2.2	2.1	(*)	(*)	3.4	2.3	1.9	1.0	.6	.5
Columbus	3.0	2.9	2.2	2.4	(*)	(*)	3.2	2.9	1.7	1.5	.7	.6
Dayton	2.3	2.1	2.0	1.9	(*)	(*)	2.7	2.1	1.7	.9	.3	.5
Toledo	2.8	2.6	1.6	1.4	(*)	(*)	3.3	2.7	1.5	.8	1.0	1.2
Youngstown—Warren	3.7	2.0	.8	.6	(*)	(*)	5.2	3.4	1.0	.4	2.9	1.7
OKLAHOMA	6.8	6.6	6.1	5.8	.5	.6	6.5	5.8	4.7	4.1	.7	.7
Oklahoma City	7.6	6.7	6.8	5.9	.7	.7	6.5	5.4	4.9	4.2	.7	.4
Tulsa ¹²	6.3	6.0	5.9	5.5	.3	.4	6.1	5.4	4.3	3.5	.6	.6
OREGON ¹	5.7	5.1	4.8	4.1	.7	.9	6.4	4.6	4.4	2.4	1.0	1.3
Portland ¹	5.7	5.1	4.6	4.3	1.0	.7	5.4	4.2	3.6	2.4	.9	.9
PENNSYLVANIA	3.3	2.7	2.0	1.7	1.2	.7	4.0	3.1	1.6	1.0	1.6	1.4
Allentown—Bethlehem—Easton	3.1	2.7	2.1	1.8	.9	.7	4.1	3.1	1.7	.9	1.7	1.6
Altoona	2.8	3.7	1.6	2.5	1.0	1.1	3.4	4.1	1.9	2.0	1.0	1.6
Erie	3.4	3.0	2.6	2.2	.6	.7	3.7	5.9	1.6	1.1	1.3	4.0
Harrisburg	2.9	3.0	2.4	2.2	.3	.5	4.2	3.3	2.2	1.3	1.3	1.4
Johnstown	4.0	5.9	1.7	1.5	2.1	4.2	10.0	6.2	1.7	1.1	7.7	4.5
Lancaster	3.3	2.5	2.6	2.2	.5	.2	3.4	2.2	2.5	1.4	.3	.3

See footnotes at end of table.

ESTABLISHMENT DATA
STATE AND AREA LABOR TURNOVER

D-4. Labor turnover rates in manufacturing for selected States and areas—Continued

[Per 100 employees]

State and area	Accession rates						Separation rates					
	Total		New hires		Recalls		Total		Quits		Layoffs	
	Sept. 1977	Oct. 1977 ^p	Sept. 1977	Oct. 1977 ^p	Sept. 1977	Oct. 1977 ^p	Sept. 1977	Oct. 1977 ^p	Sept. 1977	Oct. 1977 ^p	Sept. 1977	Oct. 1977 ^p
PENNSYLVANIA—Continued												
Northeast Pennsylvania	3.8	3.2	2.2	1.5	1.3	1.3	3.9	3.4	1.5	0.9	1.7	1.8
Philadelphia SMSA	2.9	2.6	2.0	1.8	.7	.6	3.6	2.6	1.4	1.0	1.4	1.0
Pittsburgh	2.1	1.7	.9	.7	.9	.7	3.6	2.9	1.3	.3	1.5	1.8
Reading	3.8	3.4	2.8	2.6	.8	.6	3.8	2.8	1.8	1.5	1.3	.7
Scranton	3.6	3.0	2.3	1.9	1.2	1.0	3.7	2.2	1.7	1.1	1.4	.7
Wilkes-Barre—Hazleton ¹³	3.9	2.9	1.9	1.0	1.3	1.2	3.8	4.7	1.4	.9	1.5	3.0
Williamsport	1.6	2.0	1.3	1.7	.3	.3	3.5	2.2	1.1	.7	2.0	1.2
York	5.9	4.0	3.9	3.4	1.9	.4	3.9	2.7	2.7	1.9	.5	.2
RHODE ISLAND												
Providence—Warwick—Pawtucket	7.0	6.9	5.7	5.3	.8	1.1	7.1	5.6	4.9	3.2	1.2	1.5
Providence—Warwick—Pawtucket	7.2	6.2	6.0	5.0	.8	.7	7.0	4.8	4.7	2.8	1.2	1.2
SOUTH CAROLINA												
Charleston—North Charleston	4.4	4.0	3.6	3.3	.5	.4	4.5	4.1	3.0	2.4	.6	.7
Columbia	3.9	3.7	3.5	2.9	.3	.8	4.5	3.9	2.9	2.3	.2	.3
Greenville—Spartanburg	4.3	3.5	4.0	3.3	.1	.1	4.2	4.0	3.1	2.3	.1	.9
Greenville—Spartanburg	4.6	4.5	4.2	4.0	.1	.2	4.9	4.1	3.2	2.6	.7	.3
SOUTH DAKOTA												
Sioux Falls	5.8	4.8	4.3	3.3	1.3	1.4	5.1	4.7	3.3	2.8	.9	1.2
Sioux Falls	6.5	5.3	3.4	2.1	3.1	3.2	5.4	4.6	2.9	1.6	2.3	2.5
TENNESSEE:												
Memphis	4.7	3.7	3.7	3.1	.7	.4	4.2	3.3	2.2	1.7	.9	.6
TEXAS:												
Dallas—Fort Worth	6.7	4.9	5.1	4.4	1.5	.2	5.3	4.6	3.9	3.3	.3	.4
Houston	4.6	4.6	4.3	4.5	.2	.1	4.5	3.9	3.4	2.8	.2	.2
San Antonio	4.8	4.6	4.3	4.0	.4	.5	4.9	4.8	3.3	3.1	.1	.6
UTAH⁵												
Salt Lake City—Ogden ⁵	6.5	5.4	5.3	4.4	.6	.7	6.7	5.0	4.6	3.6	.9	.4
Salt Lake City—Ogden ⁵	6.2	5.0	5.3	4.7	.3	.2	6.7	4.8	4.5	3.5	1.0	.3
VERMONT												
Burlington	4.6	3.8	3.2	2.5	1.2	1.0	4.8	3.3	2.1	1.6	2.0	1.3
Burlington	2.7	3.7	1.9	2.3	.6	1.0	3.2	1.8	1.0	.5	1.6	1.0
Springfield	3.4	3.8	2.9	3.0	.2	.7	2.6	2.9	1.3	1.4	.8	1.2
VIRGINIA												
Richmond	4.2	3.4	3.4	2.7	.5	.3	3.9	3.4	2.6	1.9	.3	.6
Richmond	2.1	2.0	1.8	1.6	.1	.1	2.1	1.7	1.2	.8	.1	.1
WASHINGTON:												
Seattle—Everett ¹⁴	4.3	(*)	3.2	(*)	.7	(*)	3.9	(*)	2.3	(*)	.9	(*)
WISCONSIN												
Milwaukee	3.5	3.2	2.6	2.3	.5	.6	4.0	3.2	2.1	1.3	1.1	1.2
Milwaukee	3.1	3.0	2.2	1.9	.4	.6	3.2	2.5	1.6	1.0	.6	.6
WYOMING												
.....	9.2	11.8	7.2	7.9	1.9	3.7	7.9	7.9	6.2	4.9	1.0	1.7

¹ Excludes canning and preserving.

² Based on the 1967 Standard Industrial Classification Manual.

³ Less than 0.05.

⁴ Excludes agricultural chemicals, and miscellaneous manufacturing.

⁵ Excludes canned fruits, vegetables, preserves, jams, and jellies.

⁶ Excludes canning and preserving, and sugar.

⁷ Excludes canning and preserving, and newspapers.

⁸ Subarea of Philadelphia, Pennsylvania Standard Metropolitan Statistical Area.

⁹ Subarea of Rochester Standard Metropolitan Statistical Area.

¹⁰ Area included in New York and Nassau-Suffolk combined SMSA's.

¹¹ Subarea of New York Standard Metropolitan Statistical Area.

¹² Excludes new-hire rate for transportation equipment.

¹³ Subarea of Northeast Pennsylvania Standard Metropolitan Statistical Area.

¹⁴ Excludes canning and preserving, printing and publishing.

p=preliminary.

* Not available.

SOURCE: Cooperating State agencies listed on inside back cover.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected metropolitan areas

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1976	OCT. 1977R	NOV. 1977P	NOV. 1976	OCT. 1977R	NOV. 1977P	NOV. 1976	OCT. 1977R	NOV. 1977P
ALABAMA	1,491.8	1,541.4	1,531.3	94.7	83.2	85.7	6.4	5.4	5.6
Birmingham	352.5	363.6	363.2	20.8	19.2	21.1	5.9	5.3	5.8
Huntsville	122.6	126.9	125.7	8.5	6.6	6.5	6.9	5.2	5.1
Mobile	166.7	172.3	173.5	10.6	10.2	10.3	6.4	5.9	5.9
Montgomery	102.4	107.9	107.6	5.2	4.6	4.8	5.0	4.2	4.5
Tuscaloosa	51.3	52.5	52.4	2.9	2.8	3.1	5.0	5.3	6.0
ALASKA	152.6	142.3	141.0	13.8	15.7	18.6	9.0	11.0	13.2
ARIZONA	953.9	968.6	974.9	77.9	63.6	61.7	8.2	6.6	6.3
Phoenix	555.0	567.8	572.6	44.3	33.4	32.5	8.0	5.9	5.7
Tucson	181.4	180.9	181.7	12.5	11.8	11.5	6.9	6.5	6.3
ARKANSAS	873.4	924.4	909.0	58.6	48.0	50.2	6.7	5.2	5.5
Fayetteville-Springdale	65.4	68.2	68.8	3.3	2.6	2.8	5.0	3.8	4.1
Fort Smith ¹	75.3	77.6	76.9	5.3	4.4	4.4	7.0	5.7	5.8
Little Rock-North Little Rock	167.0	174.8	173.9	8.4	6.6	6.3	5.0	3.8	3.6
Pine Bluff	33.2	34.0	33.7	2.4	1.4	1.8	7.0	4.2	5.3
CALIFORNIA	9,714.7	10,103.4	10,035.3	829.9	675.9	680.6	8.5	6.7	6.8
Anaheim-Santa Ana-Garden Grove	839.4	873.6	879.0	43.8	35.6	33.5	5.2	4.1	3.8
Bakersfield	147.9	159.2	157.4	13.5	10.5	12.3	9.1	6.6	7.8
Fresno	216.1	254.1	236.3	18.4	17.6	18.9	8.5	6.9	8.0
Los Angeles-Long Beach	3,301.7	3,347.1	3,358.6	259.7	215.8	206.4	7.9	6.4	6.1
Modesto	116.1	130.6	124.8	15.9	10.1	11.9	13.7	7.7	9.5
Oxnard-Simi Valley-Ventura	174.1	187.4	184.8	14.8	12.4	13.4	8.5	6.6	7.3
Riverside-San Bernardino-Ontario	488.2	500.7	496.5	45.3	39.1	38.0	9.3	7.8	7.7
Sacramento	387.2	425.6	421.1	32.2	26.0	27.5	8.3	6.1	6.5
Salinas-Seaside-Monterey	105.6	123.0	118.0	8.2	6.5	7.6	7.3	5.3	6.4
San Diego	661.3	672.9	676.6	73.8	59.9	59.2	11.2	6.9	8.7
San Francisco-Oakland	1,529.1	1,518.6	1,518.8	146.5	118.6	114.7	9.5	7.8	7.6
San Jose	567.8	567.7	587.3	38.5	30.8	31.3	6.8	5.2	5.3
Santa Barbara-Santa Maria-Lompoc	125.8	129.8	129.5	10.4	6.3	6.6	8.3	4.9	5.1
Santa Rosa	99.8	109.9	107.2	9.4	7.0	7.0	9.4	6.4	6.5
Stockton	139.3	157.4	149.3	14.8	10.5	13.9	10.5	6.7	9.3
Vallejo-Fairfield-Napa	107.3	115.5	113.5	8.8	6.5	7.0	8.2	5.6	6.2
COLORADO	1,228.5	1,259.2	1,243.8	72.4	66.4	66.1	5.9	5.3	5.3
Denver-Boulder	730.5	741.3	739.7	44.7	39.6	39.0	6.1	5.3	5.3
CONNECTICUT	1,466.4	1,459.8	1,455.2	122.1	81.9	77.7	8.3	5.6	5.3
Bridgeport	182.6	178.9	178.9	17.2	11.2	10.3	9.4	6.2	5.8
Hartford	344.2	348.6	345.5	25.4	18.3	16.2	7.4	5.2	4.7
New Britain	69.9	69.0	69.1	6.3	3.9	3.7	9.0	5.7	5.4
New Haven-West Haven	196.6	192.2	191.5	18.0	12.7	11.9	9.2	6.6	6.2
Stamford	107.4	108.1	108.0	7.3	4.4	4.2	6.5	4.0	3.9
Waterbury	106.1	102.9	102.8	9.8	6.5	6.4	9.3	6.3	6.2
DELAWARE	260.1	257.9	257.2	22.9	16.6	17.2	8.8	6.5	6.7
Wilmington ¹	229.7	227.8	229.1	20.9	14.3	14.9	9.1	6.3	6.5
DISTRICT OF COLUMBIA	332.2	335.1	334.4	27.6	25.0	23.9	8.3	7.5	7.1
Washington SMSA ¹	1,457.0	1,476.0	1,475.2	69.1	62.5	59.7	4.7	4.2	4.0
FLORIDA	3,497.7	3,482.3	3,547.2	276.6	228.8	224.6	7.9	6.6	6.3
Fort Lauderdale-Hollywood	341.9	340.9	349.5	32.7	25.1	25.2	9.5	7.4	7.2
Jacksonville	297.8	304.1	306.6	17.8	16.1	15.9	6.0	5.3	5.2
Miami	665.4	658.6	663.9	54.7	44.4	43.0	8.2	6.7	6.5
Orlando	275.3	273.4	276.1	22.1	18.1	17.8	8.0	6.6	6.5
Pensacola	109.2	113.0	113.7	6.0	5.2	5.2	5.5	4.6	4.6
Tampa-St. Petersburg	546.0	539.5	550.2	46.4	32.8	32.4	8.5	6.1	5.9
West Palm Beach-Boca Raton	200.5	191.7	198.3	17.6	14.5	13.5	8.8	7.5	6.8
GEORGIA	2,236.7	2,288.2	2,268.6	161.4	133.9	133.5	7.2	5.9	5.9
Atlanta	897.4	896.6	894.8	62.1	47.8	47.9	6.9	5.3	5.4
Augusta ¹	115.8	119.4	118.9	9.4	7.6	7.2	8.1	6.3	6.1
Columbus ¹	78.9	82.4	82.6	6.2	5.3	5.4	7.5	6.4	6.5
Macon	100.1	100.6	100.3	9.7	9.6	9.5	9.7	9.5	9.5
Savannah	82.0	84.8	84.1	6.0	5.8	6.0	7.3	6.8	7.1

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1976	OCT. 1977R	NOV. 1977P	NOV. 1976	OCT. 1977R	NOV. 1977P	NOV. 1976	OCT. 1977R	NOV. 1977P
HAWAII	398.1	405.2	405.3	38.6	31.5	31.3	9.7	7.8	7.7
Honolulu	319.3	319.4	321.3	30.3	24.8	24.2	9.5	7.8	7.5
IDAHO	371.7	391.4	380.3	18.7	12.8	15.7	5.0	3.3	4.1
Boise City	71.8	76.8	76.1	2.7	1.6	2.0	3.7	2.1	2.7
ILLINOIS	5,109.2	5,197.9	5,184.8	309.7	226.3	226.6	6.1	4.4	4.4
Bloomington—Normal	59.7	59.9	60.5	2.0	1.4	1.6	3.4	2.3	2.7
Champaign—Urbana—Rantoul	78.4	74.5	74.2	3.0	2.2	2.4	3.7	3.0	3.3
Chicago	3,216.9	3,233.9	3,234.6	197.1	134.9	131.7	6.1	4.2	4.1
Davenport—Rock Island—Moline ¹	176.5	174.4	173.9	7.8	5.8	6.5	4.4	3.3	3.7
Decatur	60.6	58.9	58.7	4.5	2.9	3.2	7.5	4.9	5.4
Peoria	172.2	170.3	169.9	7.4	6.7	7.0	4.3	3.9	4.1
Rockford	134.6	129.5	130.0	8.2	7.6	7.4	6.1	5.8	5.7
Springfield	91.6	92.0	91.9	4.6	3.5	3.8	5.0	3.8	4.2
INDIANA	2,423.2	2,481.2	2,478.4	119.6	102.1	108.5	4.9	4.1	4.4
Evansville ¹	130.4	132.3	132.7	5.3	5.0	5.0	4.1	3.8	3.8
Fort Wayne	176.7	180.9	179.8	7.0	5.9	6.0	4.0	3.3	3.3
Gary—Hammond—East Chicago	276.0	282.3	283.4	16.0	13.0	14.3	5.8	4.6	5.1
Indianapolis	552.2	565.5	566.9	30.3	27.9	28.8	5.5	4.9	5.1
Muncie	55.5	57.0	57.3	2.5	2.4	2.6	4.5	4.1	4.5
South Bend	132.9	133.4	133.6	6.0	4.9	5.4	4.5	3.7	4.1
Terre Haute	75.4	78.0	77.7	3.6	2.7	3.2	4.7	3.4	4.1
IOWA	1,332.2	1,369.4	1,349.3	44.0	29.8	33.7	3.3	2.2	2.5
Cedar Rapids	78.5	79.3	79.0	2.5	1.6	1.6	3.2	2.0	2.0
Des Moines	162.4	165.7	165.8	5.9	3.8	4.0	3.5	2.3	2.4
Dubuque	41.2	42.1	41.8	1.8	1.3	1.4	4.3	3.0	3.4
Sioux City ¹	57.3	55.8	56.1	2.0	1.4	2.2	3.5	2.5	3.9
Waterloo—Cedar Falls	61.5	62.1	61.9	2.8	1.6	1.6	4.5	2.5	2.6
KANSAS	1,087.9	1,123.8	1,111.2	43.5	39.7	41.2	4.0	3.5	3.7
Topeka	84.9	87.2	86.8	3.7	3.3	3.4	4.4	3.8	3.9
Wichita	193.9	193.1	192.9	9.5	7.6	7.5	4.7	3.9	3.9
KENTUCKY	1,464.5	1,536.4	1,524.4	72.0	65.7	69.2	4.9	4.3	4.5
Lexington—Fayette	153.8	158.3	158.1	4.4	4.7	4.8	2.7	2.9	3.0
Louisville ¹	384.6	399.6	401.6	20.7	18.0	18.0	5.4	4.6	4.5
LOUISIANA	1,505.6	1,529.0	1,509.0	102.7	99.7	95.7	6.8	6.5	6.3
Baton Rouge	190.6	194.0	193.7	11.6	13.5	13.1	6.1	7.0	6.8
Lake Charles	61.1	60.2	60.1	4.1	4.5	4.3	6.7	7.4	7.1
Monroe	48.2	47.5	47.4	3.4	3.0	3.2	7.0	6.3	6.7
New Orleans	441.1	439.3	439.0	34.0	33.5	31.3	7.7	7.6	7.1
Shreveport	139.9	140.2	139.7	9.6	8.2	8.0	6.7	5.9	5.7
MAINE	471.4	489.2	484.0	38.4	35.1	36.3	8.1	7.2	7.5
Lewiston—Auburn	37.4	38.6	38.6	3.0	2.7	2.6	8.0	6.9	6.7
Portland	86.9	88.1	87.8	6.8	6.0	5.5	7.7	6.8	6.3
MARYLAND	1,917.1	1,932.4	1,933.6	121.2	101.5	98.8	6.3	5.3	5.1
Baltimore	971.5	980.1	978.6	73.2	66.2	62.6	7.5	6.8	6.4
MASSACHUSETTS	2,740.4	2,738.9	2,731.2	205.6	141.3	140.3	7.5	5.2	5.1
Boston	1,337.3	1,320.7	1,320.8	94.8	68.0	65.6	7.1	5.1	5.0
Brockton	76.8	77.5	76.7	6.5	4.7	4.0	8.4	6.0	5.2
Fall River ¹	73.3	74.0	74.7	6.1	3.9	4.1	8.3	5.3	5.5
Lawrence—Haverhill ¹	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Lowell ¹	105.3	106.6	107.0	9.0	5.6	5.5	8.5	5.3	5.2
New Bedford	78.8	79.6	80.1	7.9	5.4	5.5	10.0	6.7	6.9
Springfield—Chicopee—Holyoke ¹	264.4	267.1	266.8	18.4	11.4	12.3	6.7	4.3	4.6
Worcester	191.6	192.6	192.1	12.8	8.0	7.8	6.7	4.1	4.1
MICHIGAN	4,049.8	4,107.5	4,115.4	332.3	225.5	229.2	8.2	5.5	5.6
Ann Arbor	131.9	135.0	135.6	8.6	6.1	5.4	6.5	4.5	4.0
Battle Creek	82.7	81.4	81.5	6.6	4.9	4.8	8.0	6.0	5.9
Bay City	51.6	53.3	53.7	4.1	3.0	3.2	7.7	5.6	5.9
Detroit	1,924.9	1,923.5	1,931.8	155.4	102.2	102.9	8.1	5.3	5.3
Flint	216.7	219.8	220.0	17.1	12.1	11.7	7.7	5.5	5.3

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1976	OCT. 1977R	NOV. 1977P	NOV. 1976	OCT. 1977R	NOV. 1977P	NOV. 1976	OCT. 1977R	NOV. 1977P
MICHIGAN—Continued									
Grand Rapids	271.2	286.9	287.9	18.3	12.1	12.3	6.7	4.2	4.3
Jackson	66.1	65.3	65.3	6.0	3.4	3.5	9.1	5.2	5.4
Kalamazoo—Portage	129.5	131.8	131.6	8.4	6.0	6.1	6.5	4.6	4.6
Lansing—East Lansing	218.1	227.2	228.8	14.6	11.2	11.2	6.7	4.9	4.9
Muskegon—Norton Shores—Muskegon Heights	77.1	75.9	75.7	6.5	5.0	5.0	8.4	6.5	6.6
Saginaw	100.3	101.6	102.9	6.9	4.7	4.8	6.9	4.7	4.7
MINNESOTA									
Duluth—Superior	1,869.9	1,903.1	1,887.1	97.0	70.9	79.9	5.2	3.7	4.2
Minneapolis—St. Paul	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
.....	1,015.6	1,036.7	1,041.5	59.3	46.7	47.0	5.9	4.5	4.5
MISSISSIPPI									
Jackson	947.8	997.6	982.1	59.4	55.6	55.8	6.3	5.6	5.7
.....	135.0	137.8	137.4	7.2	6.5	6.3	5.3	4.7	4.6
MISSOURI									
Kansas City ¹	2,108.3	2,136.2	2,113.1	116.0	101.6	100.9	5.5	4.8	4.8
St. Joseph	661.1	613.4	611.0	32.9	30.1	29.4	5.0	4.9	4.8
St. Louis ¹	45.4	45.3	44.7	3.0	2.5	2.4	6.6	5.6	5.4
Springfield	1,028.8	1,033.4	1,028.1	65.0	57.2	56.9	6.3	5.5	5.3
.....	95.0	98.8	98.4	4.4	3.9	4.0	4.6	4.0	4.0
MONTANA									
Billings	329.0	N.A.	N.A.	18.0	N.A.	N.A.	5.5	N.A.	N.A.
Great Falls	51.1	N.A.	N.A.	1.9	N.A.	N.A.	3.7	N.A.	N.A.
.....	33.9	N.A.	N.A.	1.8	N.A.	N.A.	5.3	N.A.	N.A.
NEBRASKA									
Lincoln	726.2	734.0	727.5	19.7	17.3	18.9	2.7	2.4	2.6
Omaha ¹	99.8	104.4	104.7	2.5	2.0	2.3	2.5	1.9	2.2
.....	253.6	262.7	261.3	10.8	10.2	9.3	4.3	3.9	3.6
NEVADA									
Las Vegas	308.4	329.1	328.1	25.3	20.5	21.6	8.2	6.2	6.6
Reno	168.4	179.0	178.8	15.3	13.1	13.6	9.1	7.3	7.6
.....	86.9	92.4	92.2	5.0	4.0	4.2	5.7	4.3	4.6
NEW HAMPSHIRE									
Manchester	388.6	418.6	416.3	20.3	18.6	18.1	5.2	4.4	4.4
.....	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
NEW JERSEY									
Atlantic City	3,296.4	3,314.1	3,321.5	311.4	254.6	259.2	9.4	7.7	7.8
Jersey City	76.2	78.4	78.0	9.8	8.1	9.2	12.9	10.3	11.8
Long Branch—Asbury Park	252.6	246.2	246.2	30.6	26.7	26.5	12.1	10.8	10.7
Newark	703.7	208.9	209.2	18.1	15.1	16.3	8.9	7.2	7.8
New Brunswick—Perth Amboy—Sayreville	922.0	922.2	925.5	83.9	67.5	67.3	9.1	7.3	7.3
Paterson—Clifton—Passaic	284.6	288.9	289.4	25.2	19.5	18.7	8.9	6.8	6.5
Trenton	204.2	203.8	204.7	23.3	18.7	18.9	11.4	9.2	9.2
Vineland—Millville—Bridgeton	148.2	152.2	151.9	10.4	8.9	8.7	7.0	5.8	5.7
.....	55.9	55.3	55.4	6.7	5.8	5.6	12.1	10.5	10.2
NEW MEXICO									
Albuquerque	472.4	498.7	493.5	42.6	35.8	34.8	9.0	7.2	7.0
.....	175.8	183.7	182.4	17.9	13.7	12.7	10.2	7.4	7.0
NEW YORK									
Albany—Schenectady—Troy	7,697.0	7,588.1	7,578.4	739.2	571.9	560.8	9.6	7.5	7.4
Binghamton ¹	357.6	353.8	354.3	28.5	22.0	22.3	8.0	6.2	6.3
Buffalo	133.5	134.6	134.3	10.6	8.7	8.4	8.0	6.4	6.2
Elmira	568.5	560.7	562.2	55.4	39.4	41.8	9.7	7.0	7.4
Nassau—Suffolk	41.4	40.6	40.4	3.8	3.4	3.3	9.1	8.3	8.3
New York	1,125.8	1,111.6	1,111.9	104.8	74.0	71.2	9.3	6.7	6.4
Poughkeepsie	3,623.0	3,524.0	3,523.0	361.0	286.4	272.0	10.0	8.1	7.7
Rochester	97.8	99.3	99.5	5.9	5.1	5.2	6.1	5.2	5.2
Syracuse	455.7	453.9	453.8	33.5	27.9	27.4	7.3	6.1	6.0
Utica—Rome	289.3	293.0	294.3	25.4	20.4	20.5	8.5	7.0	7.0
.....	138.5	137.7	135.6	14.4	10.6	10.9	10.4	7.7	8.0
NORTH CAROLINA									
Asheville	2,553.6	2,599.1	2,591.9	149.2	116.7	124.7	5.9	4.5	4.8
Charlotte—Gastonia	77.6	80.4	79.6	4.0	3.3	4.0	5.2	4.1	5.0
Greensboro—Winston-Salem—High Point	312.3	313.9	313.6	16.8	11.3	11.0	5.4	3.6	3.5
Raleigh—Durham	395.7	401.9	401.5	19.4	16.0	15.8	4.9	4.0	3.9
.....	252.7	259.4	258.4	9.5	8.5	7.5	3.3	3.3	2.9
NORTH DAKOTA									
Fargo—Moorhead ¹	272.4	299.3	284.8	10.5	7.7	10.3	3.9	2.6	3.6
.....	66.5	68.8	68.2	1.9	1.4	2.1	2.9	2.0	3.3

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1976	OCT. 1977R	NOV. 1977P	NOV. 1976	OCT. 1977R	NOV. 1977P	NOV. 1976	OCT. 1977R	NOV. 1977P
OHIO	4,742.4	4,814.6	4,812.1	336.1	273.8	287.6	7.1	5.7	6.0
Akron	291.1	290.6	290.6	21.2	16.1	17.1	7.3	5.5	5.9
Canton	176.0	175.9	176.3	14.4	10.0	11.1	8.2	5.7	6.3
Cincinnati ¹	586.1	594.6	593.9	44.3	39.5	41.0	7.6	6.6	6.9
Cleveland	892.5	897.7	898.9	55.3	46.0	47.0	6.2	5.1	5.2
Columbus	509.1	515.5	516.5	30.6	25.3	25.7	6.0	4.9	5.0
Dayton	363.9	370.1	371.6	20.2	17.1	18.0	5.5	4.6	4.8
Toledo ¹	353.7	362.3	363.6	25.4	21.2	23.5	7.2	5.9	6.5
Youngstown—Warren	235.1	237.0	235.8	24.7	18.3	19.2	10.5	7.7	8.2
OKLAHOMA	1,166.8	1,217.5	1,205.1	57.8	48.6	45.0	5.0	4.0	3.7
Oklahoma City	346.4	372.3	370.7	17.3	13.4	12.1	5.0	3.6	3.3
Tulsa	283.3	290.8	289.2	13.6	11.7	11.0	4.8	4.0	3.8
OREGON	1,074.6	1,107.7	1,103.0	92.1	77.9	84.2	8.5	7.0	7.6
Eugene—Springfield	111.5	116.7	119.7	10.7	9.7	10.0	9.5	8.2	8.3
Portland ¹	525.0	531.4	534.2	41.9	34.0	35.4	8.0	6.4	6.6
Salem	97.3	102.5	100.3	7.5	5.9	6.7	7.7	5.8	6.7
PENNSYLVANIA	5,116.8	5,071.7	5,072.2	376.4	285.0	286.8	7.4	5.4	5.7
Allentown—Bethlehem—Easton ¹	300.6	296.3	297.1	19.1	14.7	15.3	6.3	5.0	5.1
Altoona	56.6	57.4	58.2	3.5	2.7	3.0	6.2	4.7	5.1
Erie	122.1	121.9	121.7	9.2	5.9	6.0	7.5	4.9	5.0
Harrisburg	207.8	209.1	208.4	9.7	7.9	7.8	4.7	3.9	3.7
Johnstown	107.6	106.4	106.7	6.9	7.8	7.7	6.4	7.3	7.2
Lancaster	161.9	165.4	165.9	6.8	5.0	5.0	4.2	3.1	3.0
Northeast Pennsylvania	276.7	269.6	270.3	24.6	16.9	17.4	8.9	6.3	6.4
Philadelphia ¹	2,026.2	1,996.9	2,000.1	165.3	132.9	128.9	8.2	6.7	6.4
Pittsburgh	994.4	984.6	982.9	80.7	60.4	61.0	8.1	6.1	6.2
Reading	146.4	145.9	146.1	7.7	5.9	5.6	5.2	4.0	3.8
Williamsport	50.4	50.2	50.5	4.3	2.9	3.3	8.5	5.9	6.5
York	158.0	160.6	159.7	9.2	6.2	6.2	5.8	3.0	3.9
RHODE ISLAND	435.5	432.1	433.5	29.0	21.9	21.9	6.7	5.1	5.0
Providence—Warwick—Pawtucket ¹	441.2	438.6	440.6	29.1	22.3	22.0	6.6	5.1	5.0
SOUTH CAROLINA	1,262.1	1,290.3	1,278.8	78.8	64.9	65.6	6.2	5.0	5.1
Charleston—North Charleston	140.0	144.5	144.6	9.2	8.4	8.4	6.5	5.8	5.8
Columbia	160.2	168.0	168.7	8.1	6.5	6.9	5.0	3.9	4.1
Greenville—Spartanburg	248.2	248.9	247.8	13.7	11.5	11.4	5.5	4.6	4.6
SOUTH DAKOTA	303.4	324.1	315.9	9.7	6.2	6.6	3.2	1.9	2.1
Sioux Falls	56.6	57.2	56.7	1.4	1.0	1.0	2.5	1.7	1.8
TENNESSEE	1,838.0	1,900.0	1,898.3	96.9	82.6	84.1	5.3	4.3	4.4
Chattanooga ¹	177.6	180.6	182.2	9.4	8.8	8.7	5.3	4.9	4.8
Knoxville	191.7	198.1	200.6	8.0	6.8	7.1	4.2	3.4	3.5
Memphis ¹	362.2	366.9	370.0	19.7	17.8	17.2	5.4	4.8	4.7
Nashville—Davidson	370.6	378.5	378.7	14.7	12.1	11.7	4.0	3.2	3.1
TEXAS	5,587.7	5,738.6	5,745.6	305.8	280.7	275.9	5.3	4.9	4.8
Amarillo	83.2	85.3	85.0	3.0	2.9	2.6	3.5	3.4	3.1
Austin	195.8	203.3	203.8	9.6	9.4	8.3	4.9	4.6	4.1
Beaumont—Port Arthur—Orange	163.2	162.5	161.2	12.3	12.0	11.0	7.5	7.4	6.8
Corpus Christi	128.2	128.6	128.2	8.3	8.5	7.7	6.4	6.6	6.0
Dallas—Fort Worth	1,269.2	1,303.3	1,303.4	51.3	42.8	41.9	4.0	3.3	3.2
El Paso	162.8	160.7	160.5	21.2	18.5	17.3	13.0	11.5	10.8
Galveston—Texas City	86.5	93.4	94.0	5.8	6.6	6.6	6.7	7.1	7.1
Houston	1,158.4	1,251.8	1,253.0	61.5	56.1	54.1	5.3	4.5	4.3
Lubbock	97.9	102.3	104.2	2.7	3.0	2.9	2.8	2.9	2.8
San Antonio	386.7	389.5	389.1	28.2	26.8	25.8	7.3	6.9	6.6
Waco	74.7	76.2	76.3	3.6	3.5	3.6	4.8	4.6	4.7
Wichita Falls	57.6	58.5	58.7	2.6	1.9	2.0	4.5	3.3	3.4
UTAH	517.6	536.1	537.1	25.3	23.1	23.0	4.9	4.3	4.3
Salt Lake City—Ogden	343.6	357.0	357.4	16.6	15.8	15.4	4.8	4.4	4.3
VERMONT	215.2	223.1	220.5	17.2	14.0	15.3	8.0	6.3	6.9

See footnotes at end of table.

STATE AND AREA UNEMPLOYMENT DATA

E-1. Labor force and unemployment by State and selected metropolitan areas—Continued

(Numbers in thousands)

State and area	Labor force			Unemployment					
				Number			Percent of labor force		
	NOV. 1976	OCT. 1977R	NOV. 1977P	NOV. 1976	OCT. 1977R	NOV. 1977P	NOV. 1976	OCT. 1977R	NOV. 1977P
VIRGINIA	2,320.8	2,392.4	2,395.5	122.3	111.5	116.1	5.3	4.7	4.8
Lynchburg	68.8	71.2	71.1	2.8	2.9	2.9	4.0	4.0	4.1
Newport News—Hampton	156.0	161.7	162.5	10.5	9.5	9.6	6.7	5.9	5.9
Norfolk—Virginia Beach—Portsmouth ¹	304.3	315.9	316.8	19.0	18.7	19.4	6.2	5.9	6.1
Richmond	304.9	320.6	320.4	12.7	12.2	11.7	4.2	3.9	3.6
Roanoke	109.3	111.4	111.5	5.9	4.8	4.8	5.4	4.3	4.3
WASHINGTON	1,592.8	1,677.8	1,651.5	122.5	93.2	94.7	7.7	5.6	5.7
Seattle—Everett	710.0	742.0	740.6	56.5	43.5	42.5	8.0	5.9	5.7
Spokane	126.6	134.5	132.5	8.4	6.9	6.3	6.6	5.1	4.7
Tacoma	150.8	158.2	155.2	13.6	9.4	9.8	9.0	6.0	6.3
WEST VIRGINIA	686.8	697.1	698.4	47.1	39.2	40.7	6.9	5.6	5.8
Charleston	110.1	108.9	110.0	5.0	4.1	4.4	4.5	3.8	4.0
Huntington—Ashland ¹	112.4	110.8	110.9	6.9	5.9	5.9	6.1	5.3	5.3
Parkersburg—Marietta ¹	63.3	62.9	63.1	4.1	3.0	3.3	6.4	4.7	5.2
Wheeling ¹	78.2	78.3	79.0	6.0	4.6	5.7	7.5	5.9	7.2
WISCONSIN	2,204.8	2,258.8	2,258.1	117.6	87.1	92.0	5.3	3.9	4.1
Appleton—Oshkosh	143.9	143.1	143.1	7.6	4.7	5.3	5.3	3.3	3.7
Green Bay	86.5	89.0	88.7	4.7	3.1	3.3	5.4	3.5	3.8
Kenosha	60.1	63.5	63.1	8.0	2.9	2.6	13.4	4.5	4.1
La Crosse	43.4	45.2	45.1	2.1	1.7	1.8	4.8	3.7	3.9
Madison	176.2	182.5	182.5	6.0	4.5	4.9	3.4	2.5	2.7
Milwaukee	694.4	697.4	701.2	39.3	32.2	32.2	5.7	4.6	4.6
Racine	90.2	91.6	91.7	6.3	3.7	3.6	7.0	4.0	3.9
WYOMING	176.8	197.4	193.5	7.3	6.1	7.6	4.1	3.1	3.9

¹ Includes interstate portion of Area located in adjacent State(s).

NOTE: All data are subject to revision as new benchmark information becomes available. Estimates have been benchmarked to 1976 Current Population Survey annual averages. Data refer to place of residence.

p=preliminary.
r=revised.
N.A.=not available.

SOURCE: Cooperating State Employment Security Agencies listed on inside back cover.

Labor force and unemployment estimates for counties, cities, and other small areas have been prepared for administration of various Federal economic assistance programs and may be ordered from the National Technical Information Service. When ordering please, specify "CETA Area Employment and Unemployment, January-October 1977 (NTISUB/C/143-77/012); "State and County Employment and Unemployment January-October 1977" (NTISUB/C/144-77/012); or "Unemployment Rates for States and Local Governments, Third Quarter, 1977 (PB275365). A complete set of price schedules and publications is available from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield Virginia, 22161.

The estimates published in the report will be revised in March 1978 to reflect more recent data from the Current Population Survey and a number of changes in estimating procedures. The changes in the estimating method are designed to improve the accuracy of the unemployment estimates by using more current data from the household survey and improved data from State unemployment insurance programs. A detailed description of the changes in estimating procedures will be issued shortly.

Annual Averages

HOUSEHOLD DATA HISTORICAL ANNUAL AVERAGES

1. Employment status of the noninstitutional population, 1929 to date

(Numbers in thousands)

Year and month	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agri-culture	Nonagri-cultural industries	Number	Percent of labor force	
Persons 14 years of age and over										
1929.....	(1)	49,440	(1)	49,180	47,630	10,450	37,180	1,550	3.2	(1)
1930.....	(1)	50,080	(1)	49,820	45,480	10,340	35,140	4,340	8.7	(1)
1931.....	(1)	50,680	(1)	50,420	42,400	10,290	32,110	8,020	15.9	(1)
1932.....	(1)	51,250	(1)	51,000	38,940	10,170	28,770	12,060	23.6	(1)
1933.....	(1)	51,840	(1)	51,590	38,760	10,090	28,670	12,830	24.9	(1)
1934.....	(1)	52,490	(1)	52,230	40,890	9,900	30,990	11,340	21.7	(1)
1935.....	(1)	53,140	(1)	52,870	42,260	10,110	32,150	10,610	20.1	(1)
1936.....	(1)	53,740	(1)	53,440	44,410	10,000	34,410	9,030	16.9	(1)
1937.....	(1)	54,320	(1)	54,000	46,300	9,820	36,480	7,700	14.3	(1)
1938.....	(1)	54,950	(1)	54,610	44,220	9,690	34,530	10,390	19.0	(1)
1939.....	(1)	55,600	(1)	55,230	45,750	9,610	36,140	9,480	17.2	(1)
1940.....	100,380	56,180	56.0	55,640	47,520	9,540	37,980	8,120	14.6	44,200
1941.....	101,520	57,530	56.7	55,910	50,350	9,100	41,250	5,560	9.9	43,990
1942.....	102,610	60,380	58.8	56,410	53,750	9,250	44,500	2,660	4.7	42,230
1943.....	103,660	64,560	62.3	55,540	54,470	9,080	45,390	1,070	1.9	39,100
1944.....	104,630	66,040	63.1	54,630	53,960	8,950	45,010	670	1.2	38,590
1945.....	105,530	65,300	61.9	53,860	52,820	8,580	44,240	1,040	1.9	40,230
1946.....	106,520	60,970	57.2	57,520	55,250	8,320	46,930	2,270	3.9	45,550
1947.....	107,608	61,758	57.4	60,168	57,812	8,256	49,557	2,356	3.9	45,850
Persons 16 years of age and over										
1947.....	103,418	60,941	58.9	59,350	57,038	7,890	49,148	2,311	3.9	42,477
1948.....	104,527	62,080	59.4	60,621	58,343	7,629	50,714	2,276	3.8	42,447
1949.....	105,611	62,903	59.6	61,286	57,651	7,658	49,993	3,637	5.9	42,708
1950.....	106,645	63,858	59.9	62,208	58,918	7,160	51,758	3,288	5.3	42,787
1951.....	107,721	65,117	60.4	62,017	59,961	6,726	53,235	2,055	3.3	42,604
1952.....	108,823	65,730	60.4	62,138	60,250	6,500	53,749	1,883	3.0	43,093
1953 ²	110,601	66,560	60.2	63,015	61,179	6,260	54,919	1,834	2.9	44,041
1954.....	111,671	66,993	60.0	63,643	60,109	6,205	53,904	3,532	5.5	44,678
1955.....	112,732	68,072	60.4	65,023	62,170	6,450	55,722	2,852	4.4	44,660
1956.....	113,811	69,409	61.0	66,552	63,799	6,283	57,514	2,750	4.1	44,402
1957.....	115,065	69,729	60.6	66,929	64,071	5,947	58,123	2,859	4.3	45,336
1958.....	116,363	70,275	60.4	67,639	63,036	5,586	57,450	4,602	6.8	46,088
1959.....	117,881	70,921	60.2	68,369	64,630	5,565	59,065	3,740	5.5	46,960
1960 ²	119,759	72,142	60.2	69,628	65,778	5,458	60,318	3,852	5.5	47,617
1961.....	121,343	73,031	60.2	70,459	65,746	5,200	60,546	4,714	6.7	48,312
1962 ²	122,981	73,442	59.7	70,614	66,702	4,944	61,759	3,911	5.5	49,539
1963.....	125,154	74,571	59.6	71,833	67,762	4,687	63,076	4,070	5.7	50,583
1964.....	127,224	75,830	59.6	73,091	69,305	4,523	64,782	3,786	5.2	51,394
1965.....	129,236	77,178	59.7	74,455	71,088	4,361	66,726	3,366	4.5	52,058
1966.....	131,180	78,893	60.1	75,770	72,895	3,979	68,915	2,875	3.8	52,288
1967.....	133,319	80,793	60.6	77,347	74,372	3,844	70,527	2,975	3.8	52,527
1968.....	135,562	82,272	60.7	78,737	75,920	3,817	72,103	2,817	3.6	53,291
1969.....	137,841	84,240	61.1	80,734	77,902	3,606	74,296	2,832	3.5	53,602
1970.....	140,182	85,903	61.3	82,715	78,627	3,462	75,165	4,088	4.9	54,280
1971.....	142,596	86,929	61.0	84,113	79,120	3,387	75,732	4,993	5.9	55,666
1972 ²	145,775	88,991	61.0	86,542	81,702	3,472	78,230	4,840	5.6	56,785
1973 ²	148,263	91,040	61.4	88,714	84,409	3,452	80,957	4,304	4.9	57,222
1974.....	150,827	93,240	61.8	91,011	85,935	3,492	82,443	5,076	5.6	57,587
1975.....	153,449	94,793	61.8	92,613	84,783	3,380	81,403	7,830	8.5	58,655
1976.....	156,048	96,917	62.1	94,773	87,485	3,297	84,188	7,288	7.7	59,130
1977.....	158,559	99,534	62.8	97,401	90,546	3,244	87,302	6,855	7.0	59,025

¹ Not available.

² Not strictly comparable with prior years due to the introduction of population adjustments

in these years. For an explanation, see "Historic Comparability" under Household Data section of Explanatory notes.

HOUSEHOLD DATA HISTORICAL ANNUAL AVERAGES

2. Employment status of the noninstitutional population, 16 years and over by sex, 1947 to date

[Numbers in thousands]

Year, month, and sex	Total noninstitutional population	Total labor force		Civilian labor force						Not in labor force
		Number	Percent of population	Total	Employed			Unemployed		
					Total	Agriculture	Nonagricultural industries	Number	Percent of labor force	
MALES										
1947.....	50,968	44,258	86.8	42,686	40,995	6,643	34,352	1,692	4.0	6,710
1948.....	51,439	44,729	87.0	43,286	41,725	6,358	35,367	1,559	3.6	6,710
1949.....	51,922	45,097	86.9	43,498	40,925	6,343	34,583	2,572	5.9	6,825
1950.....	52,352	45,446	86.8	43,819	41,578	6,002	35,576	2,239	5.1	6,906
1951.....	52,788	46,063	87.3	43,001	41,780	5,534	36,246	1,221	2.8	6,725
1952.....	53,248	46,416	87.2	42,869	41,682	5,390	36,293	1,185	2.8	6,832
1953 ¹	54,248	47,131	86.9	43,633	42,430	5,253	37,177	1,202	2.8	7,117
1954.....	54,706	47,275	86.4	43,965	41,619	5,200	36,418	2,344	5.3	7,431
1955.....	55,122	47,488	86.2	44,475	42,621	5,265	37,356	1,854	4.2	7,634
1956.....	55,547	47,914	86.3	45,091	43,379	5,040	38,339	1,711	3.8	7,633
1957.....	56,082	47,964	85.5	45,197	43,357	4,824	38,532	1,841	4.1	8,118
1958.....	56,640	48,126	85.0	45,521	42,423	4,596	37,827	3,098	6.8	8,514
1959.....	57,312	48,405	84.5	45,886	43,466	4,532	38,934	2,420	5.2	8,907
1960 ¹	58,144	48,870	84.0	46,388	43,904	4,472	39,431	2,486	5.4	9,274
1961.....	58,826	49,193	83.6	46,653	43,656	4,298	39,359	2,997	6.4	9,633
1962 ¹	59,626	49,395	82.8	46,600	44,177	4,069	40,108	2,423	5.2	10,231
1963.....	60,627	49,835	82.2	47,129	44,657	3,809	40,849	2,472	5.2	10,792
1964.....	61,556	50,387	81.9	47,679	45,474	3,691	41,782	2,205	4.6	11,169
1965.....	62,473	50,946	81.5	48,255	46,340	3,547	42,792	1,914	4.0	11,527
1966.....	63,351	51,560	81.4	48,471	46,919	3,243	43,675	1,551	3.2	11,792
1967.....	64,316	52,398	81.5	48,987	47,479	3,164	44,315	1,508	3.1	11,919
1968.....	65,345	53,030	81.2	49,533	48,114	3,157	44,957	1,419	2.9	12,315
1969.....	66,365	53,688	80.9	50,221	48,818	2,963	45,855	1,403	2.8	12,677
1970.....	67,409	54,343	80.6	51,195	48,960	2,861	46,099	2,235	4.4	13,066
1971.....	68,512	54,797	80.0	52,021	49,245	2,790	46,455	2,776	5.3	13,715
1972 ¹	69,864	55,671	79.7	53,265	50,630	2,839	47,791	2,635	4.9	14,193
1973 ¹	71,020	56,479	79.5	54,203	51,963	2,833	49,130	2,240	4.1	14,541
1974.....	72,253	57,349	79.4	55,186	52,518	2,900	49,618	2,668	4.8	14,904
1975.....	73,494	57,706	78.5	55,615	51,230	2,801	48,429	4,385	7.9	15,788
1976.....	74,739	58,397	78.1	56,359	52,391	2,716	49,675	3,968	7.0	16,341
1977.....	75,981	59,467	78.3	57,449	53,861	2,639	51,222	3,588	6.2	16,514
FEMALES										
1947.....	52,450	16,683	31.8	16,664	16,045	1,248	14,797	619	3.7	35,767
1948.....	53,088	17,351	32.7	17,335	16,617	1,271	15,346	717	4.1	35,737
1949.....	53,689	17,806	33.2	17,788	16,723	1,315	15,409	1,065	6.0	35,883
1950.....	54,293	18,412	33.9	18,389	17,340	1,159	16,181	1,049	5.7	35,881
1951.....	54,933	19,054	34.7	19,016	18,181	1,193	16,988	834	4.4	35,879
1952.....	55,575	19,314	34.8	19,269	18,568	1,111	17,458	698	3.6	36,261
1953 ¹	56,353	19,429	34.5	19,382	18,749	1,006	17,743	632	3.3	36,924
1954.....	56,965	19,718	34.6	19,678	18,490	1,006	17,486	1,188	6.0	37,247
1955.....	57,610	20,584	35.7	20,548	19,551	1,184	18,366	998	4.9	37,026
1956.....	58,264	21,495	36.9	21,461	20,419	1,244	19,175	1,039	4.8	36,769
1957.....	58,983	21,765	36.9	21,732	20,714	1,123	19,591	1,018	4.7	37,218
1958.....	59,723	22,149	37.1	22,118	20,613	990	19,623	1,504	6.8	37,574
1959.....	60,569	22,516	37.2	22,483	21,164	1,033	20,131	1,320	5.9	38,053
1960 ¹	61,615	23,272	37.8	23,240	21,874	986	20,887	1,366	5.9	38,343
1961.....	62,517	23,838	38.1	23,806	22,090	902	21,187	1,717	7.2	38,679
1962 ¹	63,355	24,047	38.0	24,014	22,525	875	21,651	1,488	6.2	39,308
1963.....	64,527	24,736	38.3	24,704	23,105	878	22,227	1,598	6.5	39,791
1964.....	65,668	25,443	38.7	25,412	23,831	832	23,000	1,581	6.2	40,225
1965.....	66,763	26,232	39.3	26,200	24,748	814	23,934	1,452	5.5	40,531
1966.....	67,829	27,333	40.3	27,299	25,976	736	25,240	1,324	4.8	40,496
1967.....	69,003	28,395	41.2	28,360	26,893	680	26,212	1,468	5.2	40,608
1968.....	70,217	29,242	41.6	29,204	27,807	660	27,147	1,397	4.8	40,976
1969.....	71,476	30,551	42.7	30,513	29,084	643	28,441	1,429	4.7	40,924
1970.....	72,774	31,560	43.4	31,520	29,667	601	29,066	1,853	5.9	41,214
1971.....	74,084	32,132	43.4	32,091	29,875	598	29,277	2,217	6.9	41,952
1972 ¹	75,911	33,320	43.9	33,277	31,072	633	30,439	2,205	6.6	42,591
1973 ¹	77,242	34,561	44.7	34,510	32,446	619	31,827	2,064	6.0	42,681
1974.....	78,575	35,892	45.7	35,825	33,417	592	32,825	2,408	6.7	42,683
1975.....	79,954	37,087	46.4	36,998	33,553	579	32,973	3,445	9.3	42,868
1976.....	81,309	38,520	47.4	38,414	35,095	582	34,513	3,320	8.6	42,789
1977.....	82,577	40,067	48.5	39,952	36,685	605	36,080	3,267	8.2	42,510

¹ See footnote 2, table 1.

HOUSEHOLD DATA ANNUAL AVERAGES

3. Employment status of the noninstitutional population by sex, age, and race

[Numbers in thousands]

Sex, age, and race	1977										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
MALES											
16 years and over	59,467	78.3	57,449	53,861	3,588	6.2	16,514	323	3,777	1,817	10,597
16 to 21 years	8,765	69.0	8,060	6,812	1,248	15.5	3,942	23	3,103	35	782
16 to 19 years	5,315	62.5	4,985	4,124	861	17.3	3,182	17	2,530	17	618
16 to 17 years	2,148	50.6	2,118	1,704	414	19.5	2,096	11	1,704	4	376
18 to 19 years	3,167	74.4	2,867	2,420	447	15.6	1,087	6	826	13	242
20 to 64 years	52,307	89.7	50,619	50,619	2,630	5.2	5,981	132	1,246	1,317	3,287
20 to 24 years	8,623	86.7	7,877	7,031	846	10.7	1,319	9	924	52	334
25 to 54 years	36,639	94.4	35,698	34,164	1,533	4.3	2,187	68	316	702	1,100
25 to 29 years	8,280	94.8	7,904	7,381	524	6.6	453	8	203	56	186
30 to 34 years	7,222	96.4	6,982	6,668	314	4.5	267	10	56	74	128
35 to 39 years	5,747	96.2	5,552	5,355	198	3.6	225	7	23	77	118
40 to 44 years	5,159	95.3	5,067	4,897	170	3.4	253	8	17	102	126
45 to 49 years	5,181	93.2	5,149	4,988	161	3.1	379	15	12	164	189
50 to 54 years	5,050	89.2	5,043	4,875	168	3.3	610	20	5	230	354
55 to 64 years	7,045	74.0	7,043	6,794	250	3.5	2,475	56	5	562	1,853
55 to 59 years	4,328	83.2	4,326	4,184	142	3.3	872	24	4	288	556
60 to 64 years	2,717	62.9	2,717	2,609	108	4.0	1,603	31	1	274	1,297
65 years and over	1,845	20.1	1,845	1,749	97	5.2	7,351	174	1	483	6,692
65 to 69 years	1,079	29.4	1,079	1,011	68	6.3	2,588	47	1	173	2,367
70 years and over	766	13.9	766	737	29	3.8	4,763	127	1	310	4,325
White											
16 years and over	53,079	79.1	51,421	48,578	2,843	5.5	14,057	261	3,011	1,465	9,319
16 to 21 years	7,737	71.3	7,163	6,206	957	13.4	3,110	18	2,471	26	596
16 to 19 years	4,732	65.4	4,461	3,794	667	15.0	2,500	13	1,998	11	477
16 to 17 years	1,945	54.1	1,920	1,583	337	17.6	1,651	9	1,341	2	299
18 to 19 years	2,787	76.6	2,541	2,211	330	13.0	850	4	658	9	178
20 to 64 years	46,676	90.4	45,289	43,195	2,094	4.6	4,935	105	1,012	1,060	2,757
20 to 24 years	7,538	87.7	6,944	6,300	644	9.3	1,059	7	762	41	248
25 to 54 years	32,690	95.1	31,900	30,662	1,238	3.9	1,697	52	246	550	848
25 to 34 years	13,764	96.2	13,251	12,587	664	5.0	548	15	204	97	233
35 to 44 years	9,696	96.3	9,453	9,156	296	3.1	369	12	30	145	183
45 to 54 years	9,230	92.2	9,195	8,918	277	3.0	780	26	12	309	433
55 to 64 years	6,447	74.7	6,445	6,233	212	3.3	2,180	46	4	468	1,662
55 to 59 years	3,950	84.0	3,948	3,833	115	2.9	750	20	3	238	490
60 to 64 years	2,497	63.6	2,497	2,400	97	3.9	1,430	26	1	230	1,172
65 years and over	1,671	20.2	1,671	1,589	82	4.9	6,621	143	1	394	6,084
Black and other											
16 years and over	6,388	72.2	6,028	5,283	745	12.4	2,458	62	766	352	1,278
16 to 21 years	1,028	55.3	897	606	291	32.5	832	5	632	9	187
16 to 19 years	582	46.1	524	330	194	37.0	682	4	532	6	140
16 to 17 years	203	31.3	198	122	77	38.7	445	2	364	2	77
18 to 19 years	380	61.5	326	208	117	36.1	237	2	168	3	64
20 to 64 years	5,631	84.3	5,330	4,793	537	10.1	1,047	27	233	256	529
20 to 24 years	1,085	80.6	934	731	202	21.7	261	2	162	11	86
25 to 54 years	3,949	89.0	3,798	3,502	296	7.8	490	16	70	152	253
25 to 34 years	1,738	91.0	1,635	1,462	173	10.6	173	3	55	34	81
35 to 44 years	1,210	91.7	1,167	1,095	71	6.1	109	3	10	35	61
45 to 54 years	1,000	82.7	996	945	52	5.2	209	9	5	84	110
55 to 64 years	598	67.0	598	560	38	6.4	295	10	1	94	191
55 to 59 years	378	75.7	378	351	27	7.1	122	5	1	50	66
60 to 64 years	220	55.9	220	209	11	5.0	174	5	--	44	125
65 years and over	174	19.3	174	160	14	8.3	729	31	1	90	608

**HOUSEHOLD DATA
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3. Employment status of the noninstitutional population by sex, age, and race—Continued

[Numbers in thousands]

Sex, age, and race	1977										
	Total labor force		Civilian labor force				Not in labor force				
	Number	Percent of population	Total	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
					Number	Percent of labor force					
FEMALES											
16 years and over	40,067	48.5	39,952	36,685	3,267	8.2	42,510	33,669	3,778	975	4,088
16 to 21 years	6,982	56.1	6,934	5,820	1,113	16.1	5,472	1,552	3,186	18	716
16 to 19 years	4,286	51.5	4,267	3,486	781	18.3	4,036	773	2,661	10	592
16 to 17 years	1,735	42.2	1,734	1,379	355	20.4	2,380	236	1,760	3	380
18 to 19 years	2,551	60.6	2,533	2,107	426	16.8	1,656	537	901	7	211
20 to 64 years	34,717	56.0	34,620	32,184	2,436	7.0	26,470	23,238	1,108	414	1,710
20 to 24 years	6,619	66.7	6,556	5,824	732	11.2	3,307	2,250	772	22	264
25 to 54 years	23,730	58.4	23,692	22,188	1,510	6.4	16,882	15,442	327	212	901
25 to 29 years	5,502	61.8	5,479	5,010	468	8.2	3,397	3,064	147	18	168
30 to 34 years	4,375	56.9	4,369	4,080	288	6.6	3,317	3,067	73	23	154
35 to 39 years	3,743	59.5	3,741	3,526	215	5.8	2,552	2,352	42	24	134
40 to 44 years	3,413	59.7	3,411	3,213	198	5.8	2,304	2,119	27	37	120
45 to 49 years	3,403	57.9	3,402	3,230	172	5.1	2,471	2,271	24	40	136
50 to 54 years	3,295	53.7	3,295	3,128	167	5.1	2,841	2,569	14	70	188
55 to 64 years	4,367	41.0	4,367	4,173	194	4.5	6,281	5,545	10	180	546
55 to 59 years	2,746	48.0	2,745	2,625	120	4.4	2,969	2,671	6	83	209
60 to 64 years	1,622	32.9	1,622	1,547	74	4.6	3,312	2,875	3	97	337
65 years and over	1,065	8.1	1,065	1,015	50	4.7	12,004	9,658	10	551	1,786
65 to 69 years	673	14.5	673	637	36	5.4	3,955	3,384	4	87	480
70 years and over	391	4.6	391	377	14	3.6	8,050	6,274	5	465	1,305
White											
16 years and over	34,780	48.2	34,686	32,156	2,530	7.3	37,431	30,146	2,978	772	3,534
16 to 21 years	6,205	58.9	6,165	5,323	843	13.7	4,331	1,238	2,511	13	569
16 to 19 years	3,849	54.8	3,834	3,226	608	15.9	3,180	619	2,085	7	469
16 to 17 years	1,588	45.8	1,587	1,298	289	18.2	1,876	187	1,381	2	305
18 to 19 years	2,262	63.4	2,247	1,927	319	14.2	1,304	432	703	5	164
20 to 64 years	29,984	56.2	29,907	28,030	1,876	6.3	23,327	20,674	886	310	1,458
20 to 24 years	5,733	67.9	5,682	5,156	526	9.3	2,711	1,869	619	17	206
25 to 54 years	20,334	57.6	20,307	19,129	1,179	5.8	14,938	13,760	258	154	767
25 to 34 years	8,349	58.4	8,326	4,766	561	6.7	5,947	5,477	166	31	272
35 to 44 years	6,116	58.9	6,113	5,788	325	5.3	4,264	3,945	60	42	217
45 to 54 years	5,868	55.4	5,867	5,575	293	5.0	4,728	4,338	32	81	277
55 to 64 years	3,918	40.8	3,918	3,746	172	4.4	5,677	5,045	8	139	485
55 to 59 years	2,460	47.9	2,460	2,355	105	4.3	2,677	2,425	5	63	83
60 to 64 years	1,458	32.7	1,458	1,391	67	4.6	3,001	2,620	3	76	302
65 years and over	946	8.0	946	900	46	4.9	10,924	8,853	8	455	1,608
Black and other											
16 years and over	5,288	51.0	5,266	4,529	737	14.0	5,079	3,523	800	203	553
16 to 21 years	777	40.5	768	498	271	35.2	1,141	314	675	4	148
16 to 19 years	436	33.8	433	261	173	39.9	856	154	576	3	123
16 to 17 years	147	22.6	147	81	66	44.7	503	49	379	1	75
18 to 19 years	289	45.1	287	179	107	37.4	352	106	198	2	48
20 to 64 years	4,732	60.1	4,713	4,153	560	11.9	3,143	2,565	222	103	253
20 to 24 years	886	59.8	874	667	207	23.6	596	381	153	4	58
25 to 54 years	3,397	63.6	3,390	3,059	331	9.8	1,943	1,683	69	58	134
25 to 34 years	1,527	66.6	1,521	1,325	196	12.9	767	654	53	10	50
35 to 44 years	1,040	63.7	1,039	951	88	8.5	592	526	10	19	37
45 to 54 years	830	58.7	830	783	47	5.6	584	502	6	29	47
55 to 64 years	449	42.7	449	427	22	4.9	604	500	1	41	61
55 to 59 years	285	49.4	285	270	15	5.2	293	245	1	20	26
60 to 64 years	164	34.5	164	157	7	4.4	311	255	--	21	35
65 years and over	119	9.9	119	115	4	3.6	1,080	804	2	97	178

**HOUSEHOLD DATA
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4. Labor force by sex, age, and race

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	1976	1977	1976	1977	1976	1977	1976	1977
MALES								
16 years and over	58,397	59,467	78.1	78.3	56,359	57,449	77.5	77.7
16 to 19 years	5,178	5,315	61.0	62.5	4,832	4,985	59.4	61.0
16 to 17 years	2,067	2,148	48.9	50.6	2,037	2,118	48.5	50.3
18 to 19 years	3,111	3,167	73.1	74.4	2,795	2,867	71.0	72.5
20 to 24 years	8,421	8,623	86.4	86.7	7,666	7,877	85.2	85.7
25 to 54 years	36,010	36,639	94.3	94.4	35,075	35,698	94.2	94.2
25 to 34 years	14,990	15,502	95.5	95.6	14,383	14,887	95.3	95.4
35 to 44 years	10,660	10,906	95.5	95.8	10,369	10,619	95.4	95.7
45 to 54 years	10,360	10,231	91.6	91.2	10,322	10,192	91.6	91.2
55 to 64 years	6,972	7,045	74.5	74.0	6,971	7,043	74.5	74.0
55 to 59 years	4,236	4,328	83.6	83.2	4,235	4,326	83.6	83.2
60 to 64 years	2,736	2,717	63.7	62.9	2,736	2,717	63.7	62.9
65 years and over	1,816	1,845	20.3	20.1	1,816	1,845	20.3	20.1
White								
16 years and over	52,201	53,079	79.0	79.1	50,506	51,421	78.4	78.5
16 to 19 years	4,619	4,732	63.9	65.4	4,327	4,461	62.4	64.1
16 to 17 years	1,871	1,945	52.1	54.1	1,844	1,920	51.8	53.8
18 to 19 years	2,748	2,787	75.5	76.6	2,483	2,541	73.5	74.9
20 to 24 years	7,366	7,538	87.2	87.7	6,758	6,944	86.2	86.8
25 to 54 years	32,176	32,690	95.0	95.1	31,381	31,900	94.9	95.0
25 to 34 years	13,325	13,764	96.0	96.2	12,813	13,251	95.9	96.0
35 to 44 years	9,489	9,696	96.1	96.3	9,241	9,453	96.0	96.2
45 to 54 years	9,361	9,230	92.6	92.2	9,327	9,195	92.5	92.2
55 to 64 years	6,397	6,447	75.4	74.7	6,396	6,445	75.4	74.7
55 to 59 years	3,879	3,950	84.5	84.0	3,878	3,948	84.5	84.0
60 to 64 years	2,518	2,497	64.6	63.6	2,518	2,497	64.6	63.6
65 years and over	1,643	1,671	20.3	20.2	1,643	1,671	20.3	20.2
Black and other								
16 years and over	6,196	6,388	71.9	72.2	5,853	6,028	70.7	71.0
16 to 19 years	560	582	44.6	46.1	505	524	42.1	43.4
16 to 17 years	197	203	30.6	31.3	193	198	30.2	30.8
18 to 19 years	363	380	59.3	61.5	311	326	55.6	57.8
20 to 24 years	1,055	1,085	80.9	80.6	908	934	78.4	78.2
25 to 54 years	3,834	3,949	88.9	89.0	3,693	3,798	88.5	88.6
25 to 34 years	1,664	1,738	91.1	91.0	1,570	1,635	90.6	90.4
35 to 44 years	1,171	1,210	90.9	91.7	1,128	1,167	90.6	91.4
45 to 54 years	999	1,000	83.4	82.7	995	996	83.4	82.7
55 to 64 years	575	598	65.7	67.0	575	598	65.7	67.0
55 to 59 years	357	378	74.5	75.7	357	378	74.5	75.7
60 to 64 years	218	220	55.1	55.9	218	220	55.0	55.9
65 years and over	172	174	19.7	19.3	172	174	19.7	19.3

**HOUSEHOLD DATA
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4. Labor force by sex, age, and race—Continued

Sex, age, and race	Total labor force				Civilian labor force			
	Thousands of persons		Participation rates		Thousands of persons		Participation rates	
	1976	1977	1976	1977	1976	1977	1976	1977
FEMALES								
16 years and over	38,520	40,067	47.4	48.5	38,414	39,952	47.3	48.4
16 to 19 years	4,158	4,286	50.1	51.5	4,138	4,267	49.9	51.4
16 to 17 years	1,673	1,735	40.7	42.2	1,672	1,734	40.7	42.2
18 to 19 years	2,486	2,551	59.2	60.6	2,466	2,533	59.0	60.5
20 to 24 years	6,339	6,619	65.2	66.7	6,280	6,556	65.0	66.5
25 to 54 years	22,657	23,730	56.7	58.4	22,629	23,697	56.7	58.4
25 to 34 years	9,183	9,877	57.2	59.5	9,160	9,848	57.1	59.5
35 to 44 years	6,804	7,156	57.8	59.6	6,800	7,152	57.8	59.6
45 to 54 years	6,670	6,698	55.0	55.8	6,669	6,697	55.0	55.8
55 to 64 years	4,308	4,367	41.1	41.0	4,308	4,367	41.1	41.0
55 to 59 years	2,684	2,746	48.1	48.0	2,684	2,745	48.1	48.0
60 to 64 years	1,624	1,622	33.1	32.9	1,624	1,622	33.1	32.9
65 years and over	1,058	1,065	8.2	8.1	1,058	1,065	8.2	8.1
White								
16 years and over	33,458	34,780	47.0	48.2	33,371	34,686	46.9	48.1
16 to 19 years	3,728	3,849	53.0	54.8	3,711	3,834	52.9	54.7
16 to 17 years	1,518	1,588	43.8	45.8	1,518	1,587	43.8	45.8
18 to 19 years	2,210	2,262	62.0	63.4	2,193	2,247	61.8	63.3
20 to 24 years	5,505	5,733	66.4	67.9	5,457	5,682	66.2	67.7
25 to 54 years	19,435	20,334	55.9	57.6	19,412	20,307	55.8	57.6
25 to 34 years	7,749	8,349	55.9	58.4	7,729	8,326	55.8	58.3
35 to 44 years	5,817	6,116	57.2	58.9	5,814	6,113	57.1	58.9
45 to 54 years	5,869	5,868	54.7	55.4	5,868	5,867	54.7	55.4
55 to 64 years	3,861	3,918	40.8	40.8	3,861	3,918	40.8	40.8
55 to 59 years	2,406	2,460	47.9	47.9	2,406	2,460	47.9	47.9
60 to 64 years	1,455	1,458	32.8	32.7	1,455	1,458	32.8	32.7
65 years and over	929	946	8.0	8.0	929	946	8.0	8.0
Black and other								
16 years and over	5,062	5,288	50.2	51.0	5,044	5,266	50.2	50.9
16 to 19 years	430	436	33.7	33.8	427	433	33.5	33.6
16 to 17 years	154	147	23.9	22.6	154	147	23.9	22.6
18 to 19 years	276	289	43.6	45.1	273	287	43.3	44.8
20 to 24 years	834	886	58.2	59.8	823	874	57.9	59.4
25 to 54 years	3,222	3,397	62.2	63.6	3,217	3,390	62.2	63.6
25 to 34 years	1,435	1,527	65.4	66.6	1,431	1,521	65.3	66.5
35 to 44 years	987	1,040	62.2	63.7	987	1,039	62.2	63.7
45 to 54 years	801	830	57.3	58.7	800	830	57.3	58.7
55 to 64 years	447	449	43.4	42.7	447	449	43.4	42.7
55 to 59 years	278	285	49.9	49.4	278	285	49.9	49.4
60 to 64 years	170	164	35.8	34.5	170	164	35.8	34.5
65 years and over	129	119	11.2	9.9	129	119	11.2	9.9

**HOUSEHOLD DATA
ANNUAL AVERAGES**

5. Employment status of black workers by sex and age

[Numbers in thousands]

Sex and age	1977						Not in labor force
	Civilian labor force					Percent of labor force	
	Total	Employed			Number		
		Total	Agriculture	Nonagricultural industries			
Total							
16 years and over	9,738	8,384	212	8,172	1,355	13.9	6,576
16 to 19 years	841	495	21	474	346	41.1	1,389
16 to 17 years	301	167	11	156	134	44.4	864
18 to 19 years	540	328	9	318	212	39.3	525
20 to 24 years	1,567	1,188	22	1,166	379	24.2	732
25 to 54 years	6,123	5,560	112	5,447	563	9.2	2,040
25 to 34 years	2,673	2,335	40	2,295	338	12.6	741
35 to 44 years	1,890	1,749	33	1,716	141	7.5	600
45 to 54 years	1,560	1,475	40	1,435	84	5.4	700
55 to 64 years	937	886	34	852	51	5.4	809
55 to 59 years	593	559	19	540	34	5.8	374
60 to 64 years	343	327	16	311	16	4.8	435
65 years and over	271	255	22	233	16	6.1	1,606
Males							
16 years and over	5,174	4,496	177	4,320	678	13.1	2,158
16 to 19 years	464	283	19	264	181	39.1	615
16 to 17 years	176	104	10	94	72	40.8	406
18 to 19 years	288	179	9	169	110	38.0	209
20 to 24 years	811	625	16	608	186	23.0	212
25 to 54 years	3,220	2,953	92	2,861	267	8.3	427
25 to 34 years	1,369	1,209	32	1,177	160	11.7	140
35 to 44 years	997	933	27	906	63	6.3	99
45 to 54 years	855	811	34	778	43	5.1	188
55 to 64 years	522	491	29	462	31	5.9	274
55 to 59 years	330	309	16	293	21	6.4	115
60 to 64 years	192	182	14	169	10	5.1	160
65 years and over	157	145	20	125	12	7.9	629
Females							
16 years and over	4,564	3,887	35	3,852	677	14.8	4,419
16 to 19 years	377	212	2	211	164	43.6	774
16 to 17 years	125	63	2	61	62	49.4	458
18 to 19 years	252	149	--	149	102	40.7	317
20 to 24 years	757	564	6	558	193	25.5	520
25 to 54 years	2,902	2,607	20	2,586	296	10.2	1,614
25 to 34 years	1,304	1,127	8	1,118	177	13.6	601
35 to 44 years	894	816	6	810	78	8.7	502
45 to 54 years	705	664	6	657	41	5.8	511
55 to 64 years	415	395	5	390	20	4.7	535
55 to 59 years	264	250	3	248	13	5.0	259
60 to 64 years	151	144	2	142	7	4.3	276
65 years and over	114	110	2	108	4	3.6	976

NOTE: According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.

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6. Employment status of the noninstitutional population by sex, age, and race

[Numbers in thousands]

Employment status and race	Total		Males, 20 years and over		Females, 20 years and over		Both sexes, 16-19 years	
	1976	1977	1976	1977	1976	1977	1976	1977
	TOTAL							
Total noninstitutional population	156,048	158,559	66,253	67,484	73,003	74,256	16,792	16,818
Total labor force	96,917	99,534	53,219	54,152	34,362	35,782	9,337	9,600
Percent of population	62.1	62.8	80.3	80.2	47.1	48.2	55.6	57.1
Civilian labor force	94,773	97,401	51,527	52,464	34,276	35,685	8,970	9,252
Employed	87,485	90,546	48,486	49,737	31,730	33,199	7,269	7,610
Agriculture	3,297	3,244	2,359	2,308	511	537	427	399
Nonagricultural industries	84,188	87,302	46,128	47,429	31,218	32,662	6,842	7,211
Unemployed	7,288	6,855	3,041	2,727	2,546	2,486	1,701	1,642
Percent of labor force	7.7	7.0	5.9	5.2	7.4	7.0	19.0	17.7
Not in labor force	59,130	59,025	13,034	13,332	38,641	38,474	7,455	7,218
White								
Total noninstitutional population	137,351	139,346	58,886	59,903	64,204	65,181	14,261	14,262
Total labor force	85,659	87,859	47,582	48,347	29,729	30,930	8,347	8,582
Percent of population	62.4	63.1	80.8	80.7	46.3	47.5	58.5	60.2
Civilian labor force	83,876	86,107	46,178	46,960	29,659	30,853	8,039	8,295
Employed	78,021	80,734	43,704	44,784	27,634	28,930	6,683	7,020
Agriculture	3,029	2,993	2,153	2,123	477	495	399	375
Nonagricultural industries	74,992	77,741	41,551	42,661	27,157	28,436	6,284	6,644
Unemployed	5,855	5,373	2,474	2,176	2,025	1,922	1,356	1,275
Percent of labor force	7.0	6.2	5.4	4.6	6.8	6.2	16.9	15.4
Not in labor force	51,692	51,488	11,304	11,556	34,475	34,251	5,914	5,680
Black and other								
Total noninstitutional population	18,696	19,212	7,367	7,581	8,798	9,075	2,531	2,557
Total labor force	11,258	11,675	5,637	5,805	4,632	4,851	990	1,019
Percent of population	60.2	60.8	76.5	76.6	52.7	53.5	39.1	39.8
Civilian labor force	10,897	11,294	5,349	5,504	4,617	4,832	931	957
Employed	9,464	9,812	4,782	4,953	4,096	4,268	586	590
Agriculture	268	251	206	185	34	42	28	24
Nonagricultural industries	9,196	9,561	4,576	4,768	4,061	4,226	558	567
Unemployed	1,433	1,482	566	551	521	564	345	367
Percent of labor force	13.1	13.1	10.6	10.0	11.3	11.7	37.1	38.3
Not in labor force	7,438	7,537	1,730	1,776	4,166	4,223	1,542	1,538

7. Employment status of the noninstitutional population 16-21 years of age by race and sex

[Numbers in thousands]

Employment status	1977								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Total noninstitutional population	25,161	12,707	12,454	21,384	10,847	10,536	3,777	1,860	1,917
Total labor force	15,747	8,765	6,982	13,942	7,737	6,205	1,805	1,028	777
Percent of population	62.6	69.0	56.1	65.2	71.3	58.9	47.8	55.3	40.5
Civilian labor force	14,994	8,060	6,934	13,328	7,163	6,165	1,665	897	768
Employed	12,632	6,812	5,820	11,529	6,206	5,323	1,103	606	498
Agriculture	558	467	92	525	438	87	33	29	5
Nonagricultural industries	12,074	6,346	5,729	11,004	5,769	5,236	1,070	577	493
Unemployed	2,362	1,248	1,113	1,800	957	843	562	291	271
Percent of labor force	15.8	15.5	16.1	13.5	13.4	13.7	33.7	32.5	35.2
Looking for full-time work	1,528	828	700	1,128	618	510	400	210	190
Looking for part-time work	833	420	413	671	338	333	162	81	81
Not in labor force	9,414	3,942	5,472	7,441	3,110	4,331	1,973	832	1,141
MAJOR ACTIVITY: GOING TO SCHOOL									
Civilian labor force	3,352	1,772	1,580	3,021	1,596	1,424	331	176	156
Employed	2,671	1,402	1,268	2,478	1,300	1,177	193	102	91
Agriculture	117	101	17	112	96	16	5	5	--
Nonagricultural industries	2,553	1,302	1,252	2,365	1,204	1,161	188	97	91
Unemployed	682	370	312	543	296	247	139	74	65
Percent of labor force	20.3	20.9	19.7	18.0	18.5	17.4	41.8	42.0	41.6
Looking for full-time work	109	57	51	77	40	37	32	17	15
Looking for part-time work	573	312	261	466	256	211	107	57	50
Not in labor force	6,288	3,103	3,186	4,982	2,471	2,511	1,307	632	675
MAJOR ACTIVITY: OTHER									
Civilian labor force	11,642	6,288	5,353	10,308	5,567	4,741	1,334	722	613
Employed	9,962	5,410	4,552	9,051	4,906	4,145	911	504	407
Agriculture	441	366	75	412	342	71	29	24	4
Nonagricultural industries	9,521	5,044	4,477	8,639	4,564	4,075	882	480	402
Unemployed	1,680	878	802	1,256	661	596	423	218	206
Percent of labor force	14.4	14.0	15.0	12.2	11.9	12.6	31.7	30.1	33.6
Looking for full-time work	1,420	771	649	1,052	578	473	368	193	175
Looking for part-time work	260	107	153	205	83	122	55	25	31
Not in labor force	3,126	840	2,286	2,460	640	1,820	666	200	466

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8. Full- and part-time status of the civilian labor force by sex, age, and race

[Numbers in thousands]

Race, sex, and age	1977								
	Full-time labor force					Part-time labor force			
	Total	Employed		Unemployed (looking for full-time work)		Total	Employed on voluntary part time ¹	Unemployed (looking for part-time work)	
		Full-time schedules ¹	Part time for economic reasons	Number	Percent of full-time labor force			Number	Percent of part-time labor force
TOTAL									
Both sexes, 16 years and over	82,950	73,987	3,530	5,432	6.5	14,451	13,028	1,423	9.8
16 to 21 years	9,788	7,224	1,036	1,528	15.6	5,206	4,372	833	16.0
16 to 19 years	5,066	3,430	716	921	18.2	4,186	3,465	721	17.2
16 to 17 years	1,227	686	274	267	21.8	2,625	2,124	501	19.1
18 to 19 years	3,839	2,744	441	653	17.0	1,561	1,341	220	14.1
20 years and over	77,884	70,558	2,814	4,512	5.8	10,265	9,564	702	6.8
20 to 24 years	12,485	10,415	702	1,368	11.0	1,948	1,737	210	10.8
25 years and over	65,398	60,143	2,112	3,144	4.8	8,318	7,826	492	5.9
25 to 54 years	53,818	49,446	1,672	2,701	5.0	5,577	5,234	343	6.2
55 years and over	11,580	10,697	441	442	3.8	2,742	2,592	149	5.4
Males, 16 years and over	52,647	47,942	1,705	3,001	5.7	4,801	4,214	587	12.2
16 to 21 years	5,515	4,153	534	828	15.0	2,545	2,126	420	16.5
16 to 19 years	2,892	2,021	378	492	17.0	2,093	1,724	369	17.6
16 to 17 years	49,756	45,920	1,327	2,509	5.0	2,708	2,490	218	8.1
18 to 19 years	5,962	5,962	344	757	10.7	815	726	89	11.0
20 years and over	42,693	39,958	983	1,753	4.1	1,893	1,764	128	6.8
20 to 24 years	34,971	32,736	758	1,477	4.2	726	669	57	7.9
25 years and over	7,722	7,222	224	276	3.6	1,166	1,095	71	6.1
Females, 16 years and over	30,302	26,046	1,825	2,432	8.0	9,650	8,814	836	8.7
16 to 21 years	4,273	3,071	502	700	16.4	2,660	2,247	413	15.5
16 to 19 years	2,175	1,409	337	429	19.7	2,092	1,740	352	16.8
16 to 17 years	28,128	24,637	1,488	2,003	7.1	7,557	7,074	484	6.4
18 to 19 years	5,423	4,453	359	611	11.3	1,133	1,012	121	10.7
20 years and over	22,705	20,183	1,130	1,391	6.1	6,424	6,061	362	5.6
20 to 24 years	18,847	16,709	913	1,224	6.5	4,849	4,565	284	5.9
25 years and over	3,858	3,474	216	167	4.3	1,574	1,496	78	5.0
White									
Males, 16 years and over	47,128	43,336	1,424	2,368	5.0	4,293	3,818	475	11.1
16 to 21 years	4,861	3,790	452	618	12.7	2,302	1,964	338	14.7
16 to 19 years	2,564	1,873	322	369	14.4	1,897	1,599	298	15.7
16 to 17 years	44,564	41,463	1,102	2,000	4.5	2,396	2,219	176	7.4
18 to 19 years	6,217	5,351	294	571	9.2	727	655	72	10.0
20 years and over	38,347	36,111	807	1,428	3.7	1,668	1,565	103	6.2
20 to 24 years	31,274	29,466	615	1,193	3.8	625	580	44	7.0
25 years and over	7,073	6,645	192	235	3.3	1,044	985	59	5.7
Females, 16 years and over	25,914	22,580	1,498	1,836	7.1	8,772	8,078	694	7.9
16 to 21 years	3,751	2,794	447	510	13.6	2,414	2,082	333	13.8
16 to 19 years	1,924	1,296	305	322	16.8	1,910	1,624	286	15.0
16 to 17 years	23,991	21,284	1,192	1,514	6.3	6,862	6,454	409	6.0
18 to 19 years	4,664	3,931	304	429	9.2	1,018	921	97	9.6
20 years and over	19,325	17,353	887	1,085	5.6	5,844	5,532	311	5.3
20 to 24 years	15,853	14,202	717	934	5.9	4,454	4,209	244	5.5
25 years and over	3,472	3,151	170	151	4.3	1,391	1,324	67	4.8
Black and other									
Males, 16 years and over	5,520	4,606	281	632	11.5	508	396	113	22.2
16 to 21 years	654	362	82	210	32.1	243	162	81	33.5
16 to 19 years	328	148	56	123	37.6	196	125	71	36.1
16 to 17 years	5,192	4,457	225	509	9.8	312	271	42	13.4
18 to 19 years	846	611	49	186	21.9	88	71	17	19.3
20 years and over	4,346	3,846	175	323	7.4	225	199	25	11.1
20 to 24 years	3,696	3,270	143	283	7.7	102	89	13	12.7
25 years and over	650	577	32	40	6.2	124	111	12	9.7
Females, 16 years and over	4,388	3,466	327	595	13.6	878	736	142	16.1
16 to 21 years	523	277	55	190	36.4	246	165	81	32.8
16 to 19 years	251	113	32	106	42.3	182	116	67	36.5
16 to 17 years	4,137	3,353	295	489	11.8	695	620	75	10.8
18 to 19 years	759	522	54	183	24.1	115	91	24	20.7
20 years and over	3,379	2,831	241	306	9.1	580	529	51	8.8
20 to 24 years	2,994	2,507	195	291	9.7	397	356	41	10.3
25 years and over	384	323	46	15	3.9	184	173	11	6.0

¹ Employed persons with a job but not at work are distributed proportionately among the full- and part-time employed categories.

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9. Employment status of the noninstitutional population by family relationship

[Numbers in thousands]

Family relationship	1977									
	Civilian labor force					Not in labor force				
	Total	Percent of population	Employed	Unemployed		Total	Keeping house	Going to school	Unable to work	Other reasons
				Number	Percent of labor force					
Total, 16 years and over	97,401	62.3	90,546	6,855	7.0	59,025	33,992	7,556	2,792	14,684
Husbands¹	40,413	81.8	38,976	1,437	3.6	8,971	124	210	1,207	7,431
With employed wife	19,023	91.7	18,439	584	3.1	1,722	34	120	388	1,181
With unemployed wife	1,294	92.3	1,166	127	9.8	108	1	8	32	69
With wife not in labor force	18,707	73.7	18,059	649	3.5	6,665	66	62	713	5,824
Wives	22,147	46.6	20,745	1,402	6.3	25,373	23,474	266	231	1,401
With employed husband	19,604	52.0	18,438	1,166	5.9	18,059	16,950	232	83	794
With unemployed husband	712	52.3	585	127	17.8	649	605	11	5	27
With husband not in labor force	1,830	21.5	1,722	108	5.9	6,665	5,919	23	142	581
Relatives in husband-wife families	15,895	60.4	11,969	1,926	13.9	9,099	1,467	5,241	405	1,986
16-19 years	6,715	56.3	5,644	1,071	15.9	5,209	239	4,058	18	894
20-24 years	4,696	74.5	4,103	594	12.6	1,604	178	1,092	45	289
25 years and over	2,484	52.1	2,222	261	10.5	2,286	1,050	91	342	803
Women who head families	4,422	56.2	4,009	413	9.3	3,443	2,868	100	136	339
Relatives in female-headed families	3,881	55.8	3,124	756	19.5	3,067	816	1,184	272	796
16-19 years	1,318	50.4	949	369	28.0	1,299	101	939	8	252
20-24 years	1,107	72.0	874	232	21.0	430	100	209	18	104
25 years and over	1,456	52.1	1,301	155	10.6	1,338	615	36	246	440
Persons not living in families²	12,643	58.3	11,723	921	7.3	9,072	5,243	555	541	2,731

¹ Includes a small number of single, separated, widowed, or divorced men who head families.

² Individuals living alone or with unrelated persons plus a small number of persons in secondary families.

10. Unemployed persons by marital status, sex, age, and race

Marital status, sex, age, and race	Males				Females			
	Thousands of persons		Unemployment rates		Thousands of persons		Unemployment rates	
	1976	1977	1976	1977	1976	1977	1976	1977
Total, 16 years and over	3,968	3,588	7.0	6.2	3,320	3,267	8.6	8.2
Married, spouse present	1,687	1,436	4.2	3.6	1,558	1,463	7.1	6.5
Widowed, divorced, or separated	379c	343	9.8c	8.3	610c	580	8.7c	7.8
Single (never married)	1,903	1,809	15.0	13.4	1,151	1,224	12.1	12.1
White, 16 years and over	3,223	2,843	6.4	5.5	2,632	2,530	7.9	7.3
Married, spouse present	1,444	1,217	4.0	3.4	1,337	1,244	6.8	6.2
Widowed, divorced, or separated	281c	262	9.0c	7.7	447c	421	7.9c	7.1
Single (never married)	1,499	1,364	13.5	11.6	848	866	10.4	10.0
Black and other, 16 years and over	745	745	12.7	12.4	688	737	13.6	14.0
Married, spouse present	243	219	7.0	6.2	221	219	9.6	9.3
Widowed, divorced, or separated	98c	81	13.0c	10.6	163c	159	11.8c	11.0
Single (never married)	404c	445	25.1	25.5	304	359	22.2	24.5
Total, 20 to 64 years of age	2,947	2,630	5.9	5.2	2,494	2,436	7.5	7.0
Married, spouse present	1,582	1,333	4.2	3.5	1,454	1,357	6.9	6.3
Widowed, divorced, or separated	356c	327	9.8c	8.3	559c	530	8.8c	7.9
Single (never married)	1,009	971	12.5	11.3	481	549	8.3	8.8
White, 20 to 64 years of age	2,396	2,094	5.4	4.6	1,976	1,876	6.9	6.3
Married, spouse present	1,351	1,127	3.9	3.2	1,246	1,149	6.6	5.9
Widowed, divorced, or separated	264c	250	9.0c	7.8	402c	379	7.9c	7.1
Single (never married)	782	717	11.3	9.7	328	348	6.8	6.7
Black and other, 20 to 64 years of age	550	537	10.6	10.1	519	560	11.6	11.9
Married, spouse present	232c	207	6.9	6.1	208c	208	9.4	9.0
Widowed, divorced, or separated	91c	77	12.9c	10.6	157c	151	12.2c	11.2
Single (never married)	227	252	20.4	20.6	153c	202	15.7	19.0

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11. Unemployed persons by occupation of last job and sex

Occupation	Thousands of persons		Unemployment rates					
			Total		Males		Females	
	1976	1977	1976	1977	1976	1977	1976	1977
Total	7,288	6,855	7.7	7.0	7.0	6.2	8.6	8.2
White-collar workers	2,110	2,024	4.6	4.3	3.3	3.0	5.9	5.5
Professional and technical	440	426	3.2	3.0	2.6	2.3	4.0	3.9
Managers and administrators, except farm	296	276	3.1	2.8	2.6	2.3	4.8	4.4
Sales workers	312	318	5.4	5.3	3.8	4.0	7.4	6.8
Clerical workers	1,062	1,004	6.4	5.9	5.6	5.0	6.6	6.1
Blue-collar workers	3,009	2,656	9.4	8.1	8.8	7.4	12.2	11.0
Craft and kindred workers	831	708	6.9	5.6	6.8	5.5	7.9	7.4
Carpenters and other construction craft	432	365	11.5	9.3	11.6	9.2	(1)	14.6
All other	399	343	4.8	4.0	4.5	3.8	7.7	6.9
Operatives, except transport	1,220	1,087	10.8	9.5	9.3	8.0	13.0	11.7
Transport equipment operatives	273	246	7.7	6.6	7.8	6.6	6.0	6.7
Nonfarm laborers	685	616	13.7	12.0	13.8	12.1	12.1	11.0
Construction laborers	217	173	22.8	17.7	22.9	17.6	(1)	(1)
All other	468	443	11.5	10.7	11.5	10.7	11.9	10.5
Service workers	1,151	1,102	8.7	8.2	8.5	7.5	8.9	8.6
Private household	68	60	5.7	5.0	(1)	5.5	5.7	4.9
All other	1,084	1,042	9.1	8.5	8.6	7.5	9.4	9.2
Farm workers	132	133	4.5	4.6	3.7	4.0	8.3	7.6
No previous work experience	885	940	--	--	--	--	--	--
16 to 19 years	678	704	--	--	--	--	--	--
20 to 24 years	139	152	--	--	--	--	--	--
25 years and over	68	84	--	--	--	--	--	--

¹ Percent not shown where base is less than 35,000.

12. Unemployed persons by industry of last job and sex

Industry	Percent distribution		Unemployment rates					
			Total		Males		Females	
	1976	1977	1976	1977	1976	1977	1976	1977
Total	100.0	100.0	7.7	7.0	7.0	6.2	8.6	8.2
Nonagricultural private wage and salary workers	74.4	72.5	7.9	7.0	7.4	6.4	8.7	8.0
Mining	.5	.5	4.7	3.8	4.7	3.3	4.5	8.6
Construction	9.4	8.5	15.6	12.7	16.0	12.9	8.5	9.8
Manufacturing	23.0	21.1	7.9	6.7	6.5	5.3	11.0	9.7
Durable goods	13.4	11.5	7.7	6.2	6.8	5.3	10.8	8.9
Lumber and wood products	.9	.9	9.5	8.5	9.1	8.7	12.4	7.5
Furniture and fixtures	.7	.7	9.6	8.7	9.8	7.6	9.2	11.4
Stone, clay, and glass products	.7	.8	7.1	7.9	7.2	7.4	6.6	9.6
Primary metal industries	1.4	1.1	7.5	5.7	7.2	5.5	10.8	7.1
Fabricated metal products	1.8	1.5	8.7	6.9	8.2	6.5	10.7	8.3
Machinery, except electrical equipment	2.0	1.6	6.3	4.5	5.8	3.9	8.5	6.8
Electrical equipment	2.2	2.0	7.3	6.2	4.6	3.9	11.1	9.4
Transportation equipment	2.0	1.6	7.3	5.2	6.5	4.6	11.7	8.7
Automobiles	.9	.7	6.0	3.9	5.6	3.6	7.9	5.4
Other transportation equipment	1.2	.9	8.7	6.9	7.5	6.0	15.4	13.4
Instruments and related products	.4	.4	6.0	5.2	3.5	3.8	9.6	7.0
Other durable goods industries	1.1	.9	11.8	9.3	9.0	6.8	15.8	12.5
Nondurable goods	9.7	9.6	8.1	7.4	6.0	5.3	11.3	10.4
Food and kindred products	2.4	2.7	9.6	9.8	7.6	7.1	14.6	16.2
Textile mill products	1.1	1.1	8.9	7.6	6.7	6.7	11.2	8.4
Apparel and other textile products	2.1	2.0	11.1	10.0	8.5	8.4	11.8	10.5
Paper and allied products	.7	.6	6.9	5.2	5.8	3.5	10.6	10.8
Printing and publishing	1.0	1.0	5.7	5.3	4.5	4.3	7.6	6.7
Chemicals and allied products	.9	.7	5.3	4.1	4.0	3.0	8.8	7.4
Rubber and plastics products	.8	.8	9.0	7.1	6.6	5.1	13.7	10.8
Other nondurable goods industries	.6	.7	7.4	7.6	4.8	5.6	10.9	10.6
Transportation and public utilities	3.3	3.5	5.0	4.7	5.0	4.6	5.0	5.0
Railroads and railway express	.3	.3	3.7	3.4	3.6	3.4	5.3	3.6
Other transportation	2.3	2.3	7.3	6.6	7.6	6.7	6.1	6.3
Communication and other public utilities	.7	.8	2.7	2.8	1.8	2.0	4.3	4.3
Wholesale and retail trade	20.6	21.1	8.6	8.0	7.2	6.8	10.3	9.5
Finance, insurance, and real estate	2.7	2.7	4.4	3.9	3.6	3.0	5.0	4.5
Service industries	14.9	15.2	7.2	6.6	7.2	6.4	7.1	6.8
Professional services	6.1	6.3	5.2	4.9	4.5	3.9	5.6	5.4
All other service industries	8.8	8.9	9.6	8.8	9.5	8.6	9.7	9.0
Agricultural wage and salary workers	2.4	2.4	11.7	11.1	10.5	10.0	16.5	15.4
All other classes of workers	11.0	11.4	3.4	3.2	2.9	2.6	4.0	4.0
No previous work experience	12.1	13.7	--	--	--	--	--	--

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13. Unemployed persons by reason for unemployment, sex, age, and race

Reason for unemployment	Total unemployed		Males, 20 years and over		Females, 20 years and over		Both sexes, 16 to 19 years		White		Black and other	
	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977
UNEMPLOYMENT LEVEL												
Total unemployed, in thousands	7,288	6,855	3,041	2,727	2,546	2,486	1,701	1,642	5,855	5,373	1,433	1,482
Job losers	3,625	3,103	2,133	1,776	1,108	1,012	384	314	2,972	2,497	653	606
On layoff	1,039	853	618	488	325	289	97	77	893	738	147	116
Other job losers	2,585	2,249	1,515	1,289	783	723	287	237	2,079	1,759	506	490
Job leavers	886	889	315	325	420	411	151	154	756	759	130	130
Reentrants	1,895	1,926	510	527	896	927	490	471	1,468	1,448	427	477
New entrants	882	938	83	99	123	136	676	703	659	669	223	268
Total unemployed, percent distribution	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Job losers	49.8	45.2	70.1	65.2	43.5	40.7	22.6	19.2	50.7	46.4	45.5	40.9
On layoff	14.3	12.4	20.3	17.9	12.7	11.6	5.7	4.7	15.2	13.7	10.2	7.8
Other job losers	35.5	32.8	49.8	47.3	30.8	29.1	16.9	14.5	35.5	32.7	35.3	33.1
Job leavers	12.2	13.0	10.4	11.9	16.5	16.5	8.9	9.4	12.9	14.1	9.1	8.8
Reentrants	26.0	28.1	16.8	19.3	35.2	37.3	28.8	28.7	25.1	27.0	29.8	32.2
New entrants	12.1	13.7	2.7	3.6	4.8	5.5	39.7	42.8	11.3	12.5	15.6	18.1
UNEMPLOYMENT RATE												
Total unemployment rate	7.7	7.0	5.9	5.2	7.4	7.0	19.0	17.7	7.0	6.2	13.1	13.1
Job loser rate ¹	3.8	3.2	4.1	3.4	3.2	2.8	4.3	3.4	3.6	2.9	5.9	5.3
Job leaver rate ¹	.9	.9	.6	.6	1.2	1.2	1.7	1.7	.9	.9	1.2	1.2
Reentrant rate ¹	2.0	2.0	1.0	1.0	2.6	2.6	5.5	5.1	1.8	1.7	3.9	4.2
New entrant rate ¹	.9	1.0	.2	.2	.4	.4	7.5	7.6	.8	.8	2.0	2.4

¹ Unemployment rates are calculated as a percent of the civilian labor force.

14. Unemployed persons by reason for unemployment, duration, sex, and age

[Percent distribution]

Reason, sex, and age	1977						
	Total unemployed		Duration of unemployment				
	Thousands of persons	Percent	Less than 5 weeks	5 to 14 weeks	15 weeks and over	15 to 26 weeks	27 weeks and over
Total, 16 years and over	6,855	100.0	41.7	30.5	27.9	13.1	14.8
Job losers	3,103	100.0	33.6	30.3	36.2	16.4	19.8
On layoff	853	100.0	48.3	29.4	22.2	13.2	9.0
Other job losers	2,249	100.0	28.0	30.7	41.4	17.6	23.8
Job leavers	889	100.0	45.7	29.7	24.8	12.3	12.5
Reentrants	1,926	100.0	50.1	30.2	19.8	9.8	10.0
New entrants	938	100.0	47.4	32.2	20.4	9.8	10.6
Males, 20 years and over	2,727	100.0	33.9	30.2	35.9	15.4	20.5
Job losers	1,776	100.0	30.9	30.0	39.1	16.8	22.3
On layoff	488	100.0	45.5	30.3	24.1	13.9	10.2
Other job losers	1,289	100.0	25.3	29.9	44.7	17.8	26.9
Job leavers	325	100.0	43.1	29.2	27.7	12.9	14.8
Reentrants	527	100.0	39.3	31.3	29.2	12.7	16.5
New entrants	99	100.0	30.3	30.3	39.4	12.1	27.3
Females, 20 years and over	2,486	100.0	42.6	30.2	27.2	13.1	14.1
Job losers	1,012	100.0	32.2	31.3	36.5	17.2	19.3
On layoff	289	100.0	47.8	29.7	22.7	14.1	8.6
Other job losers	723	100.0	26.0	32.0	42.0	18.5	23.5
Job leavers	411	100.0	41.6	31.1	27.3	13.4	13.9
Reentrants	927	100.0	53.8	28.6	17.6	9.0	8.6
New entrants	136	100.0	46.7	29.2	24.1	9.5	14.6
Both sexes, 16 to 19 years	1,642	100.0	53.1	31.3	15.6	9.2	6.4
Job losers	314	100.0	53.7	28.8	17.6	10.9	6.7
On layoff	77	100.0	68.0	23.1	8.9	5.1	3.8
Other job losers	237	100.0	49.0	30.8	20.3	12.7	7.6
Job leavers	154	100.0	61.3	27.1	11.6	7.7	3.9
Reentrants	471	100.0	54.9	31.9	13.2	7.9	5.3
New entrants	703	100.0	49.9	33.1	16.9	9.5	7.4

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15. Unemployed jobseekers by the jobsearch methods used, sex, age, and race

Sex, age, and race	1977								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	6,855	5,865	27.5	6.5	72.5	30.1	14.1	6.7	1.57
16 to 19 years	1,642	1,533	18.7	3.5	79.5	23.8	12.7	5.0	1.43
20 to 24 years	1,578	1,373	31.5	7.4	74.4	32.1	14.1	5.2	1.65
25 to 34 years	1,594	1,328	32.7	8.2	70.6	33.8	14.3	6.4	1.66
35 to 44 years	781	629	31.6	7.6	67.4	31.8	14.8	8.3	1.62
45 to 54 years	668	525	27.4	8.0	63.8	33.1	14.9	10.9	1.58
55 to 64 years	444	347	26.5	6.6	66.0	30.8	17.0	11.8	1.59
65 years and over	147	129	17.1	5.4	68.2	25.6	16.3	7.0	1.40
Males, 16 years and over	3,588	2,979	30.5	6.8	72.7	27.9	16.3	8.7	1.63
16 to 19 years	861	797	20.3	3.3	80.3	21.5	14.7	5.3	1.45
20 to 24 years	846	708	35.2	7.2	75.3	30.6	16.2	6.1	1.71
25 to 34 years	838	664	38.9	9.9	70.0	32.4	16.7	8.4	1.76
35 to 44 years	368	281	37.4	9.6	65.8	29.2	17.8	13.5	1.73
45 to 54 years	329	251	27.5	8.8	62.2	28.3	18.3	17.1	1.62
55 to 64 years	250	191	26.7	5.2	66.5	28.8	18.3	15.7	1.61
65 years and over	97	87	18.4	4.6	70.1	23.0	14.9	8.0	1.39
Females, 16 years and over	3,267	2,886	24.3	6.1	72.2	32.4	11.9	4.6	1.52
16 to 19 years	781	737	17.0	3.7	78.4	26.3	10.4	4.7	1.41
20 to 24 years	732	665	27.7	7.5	73.4	33.5	11.7	4.4	1.58
25 to 34 years	757	663	26.5	6.5	71.3	35.3	11.9	4.4	1.56
35 to 44 years	413	349	26.9	6.0	68.5	33.8	12.6	4.0	1.52
45 to 54 years	339	274	27.0	7.3	65.0	37.6	11.7	4.7	1.53
55 to 64 years	194	157	26.1	8.3	65.0	33.1	15.9	6.4	1.55
65 years and over	50	42	14.3	7.1	64.3	31.0	19.0	4.8	1.41
White	5,373	4,510	25.2	6.4	73.6	31.6	13.8	6.8	1.57
Males	2,843	2,314	28.1	6.8	73.4	29.3	15.9	9.3	1.63
Females	2,530	2,197	22.1	5.9	73.8	34.0	11.5	4.1	1.51
Black and other	1,482	1,355	35.0	6.9	68.8	25.3	15.3	6.3	1.58
Males	745	666	38.9	7.1	70.3	23.3	17.7	6.6	1.64
Females	737	689	31.2	6.7	67.3	27.3	13.1	6.0	1.52

NOTE: The jobseekers total is less than the total unemployed because persons on layoff or waiting to begin a new wage and salary job within 30 days are not actually seeking jobs. It should also be noted that the percent using each method will always total more than 100 because many jobseekers use more than one method.

16. Unemployed jobseekers by the jobsearch methods used, sex, and reason for unemployment

Sex and reason	1977								
	Thousands of persons		Methods used as a percent of total jobseekers						Average number of methods used
	Total unemployed	Total job-seekers	Public employment agency	Private employment agency	Employer directly	Placed or answered ads	Friends or relatives	Other	
Total, 16 years and over	6,855	5,865	27.5	6.5	72.5	30.1	14.1	6.7	1.57
Job losers	3,103	2,236	35.3	7.5	70.6	32.3	16.6	8.5	1.71
Job leavers	889	882	27.4	7.8	74.6	33.9	12.7	3.9	1.60
Reentrants	1,926	1,823	22.2	5.8	70.9	29.6	12.5	6.9	1.48
New entrants	938	924	18.6	4.3	78.4	22.6	12.8	4.8	1.42
Males, 16 years and over	3,588	2,979	30.5	6.8	72.7	27.9	16.3	8.7	1.63
Job losers	1,977	1,430	36.6	7.8	70.1	30.5	17.8	10.5	1.73
Job leavers	402	397	28.2	8.6	75.8	32.5	14.9	5.0	1.65
Reentrants	777	726	25.2	5.4	72.2	25.2	14.9	9.8	1.53
New entrants	433	427	21.5	4.7	79.4	20.1	15.2	4.7	1.46
Females, 16 years and over	3,267	2,886	24.3	6.1	72.2	32.4	11.9	4.6	1.52
Job losers	1,126	806	33.1	6.8	71.3	35.5	14.5	4.8	1.66
Job leavers	487	485	27.0	7.2	73.6	35.1	10.9	2.9	1.57
Reentrants	1,149	1,097	20.3	6.0	70.1	32.5	10.9	4.9	1.45
New entrants	505	497	16.1	4.0	77.5	24.5	10.7	4.8	1.38

NOTE: See note, table 15.

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17. Unemployed persons by duration of unemployment

Duration of unemployment	Total				Full-time workers			
	Thousands of persons		Percent distribution		Thousands of persons		Percent distribution	
	1976	1977	1976	1977	1976	1977	1976	1977
Total, 16 years and over	7,288	6,855	100.0	100.0	5,874	5,432	100.0	100.0
Less than 5 weeks	2,790	2,856	38.3	41.7	2,031	2,054	34.6	37.8
5 to 14 weeks	2,159	2,089	29.6	30.5	1,748	1,677	29.8	30.9
5 to 10 weeks	1,534	1,507	21.0	22.0	1,227	1,198	20.9	22.1
11 to 14 weeks	625	582	8.6	8.5	522	479	8.9	8.8
15 weeks and over	2,339	1,911	32.1	27.9	2,095	1,701	35.6	31.3
15 to 26 weeks	1,003	896	13.8	13.1	875	784	14.9	14.4
27 weeks and over	1,336	1,015	18.3	14.8	1,219	917	20.8	16.9
27 to 51 weeks	698	516	9.6	7.5	639	465	10.9	8.6
52 weeks and over	638	499	8.8	7.3	580	452	9.9	8.3
Average (mean) duration, in weeks	15.8	14.3	--	--	17.2	15.7	--	--
Median duration, in weeks	8.1	7.0	--	--	9.3	8.1	--	--

18. Unemployed persons by duration, sex, age, race, and marital status

Sex, age, race, and marital status	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group	
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			1976	1977	1976	1977
Total, 16 years and over	6,855	2,856	2,089	896	1,015	14.3	7.0	38.3	41.7	32.1	27.9
16 to 21 years	2,362	1,197	745	232	188	10.0	4.9	47.2	50.7	20.7	17.8
16 to 19 years	1,642	872	514	151	105	8.9	4.7	49.8	53.1	17.6	15.6
20 to 24 years	1,578	671	506	204	197	12.9	6.7	39.7	42.5	29.6	25.4
25 to 34 years	1,594	607	494	233	261	15.3	8.0	35.7	38.1	34.7	31.0
35 to 44 years	781	300	228	111	142	16.5	8.4	33.5	38.4	37.2	32.4
45 to 54 years	668	220	189	110	149	19.3	10.4	29.8	32.9	43.8	38.8
55 to 64 years	444	137	124	67	117	21.3	10.9	27.4	30.9	49.5	41.3
65 years and over	147	49	34	20	44	22.6	10.9	25.6	33.3	49.3	43.4
Males, 16 years and over	3,588	1,367	1,098	505	618	15.9	8.0	34.5	38.1	35.6	31.3
16 to 21 years	1,248	604	394	133	117	10.9	5.3	44.3	48.4	22.9	20.0
16 to 19 years	861	442	274	85	60	9.5	4.9	47.9	51.3	18.7	16.9
20 to 24 years	846	331	271	120	124	14.3	7.6	35.3	39.1	33.8	28.8
25 to 34 years	838	277	263	135	162	17.4	9.3	31.3	33.1	38.4	35.5
35 to 44 years	368	122	106	58	81	19.2	10.3	28.2	33.2	43.7	37.9
45 to 54 years	329	94	90	55	89	22.0	12.2	25.2	28.7	48.5	43.9
55 to 64 years	250	69	69	9	72	23.3	12.3	25.4	27.7	52.6	44.5
65 years and over	97	31	24	12	29	22.4	11.2	24.5	32.5	48.6	42.7
Females, 16 years and over	3,267	1,489	990	391	396	12.5	6.1	42.7	45.6	27.9	24.1
16 to 21 years	1,113	593	350	99	72	8.9	4.7	50.8	53.2	17.9	15.3
16 to 19 years	781	430	240	66	45	8.3	4.5	52.1	55.1	16.3	14.2
20 to 24 years	732	341	234	85	73	11.3	5.8	45.1	46.5	24.5	21.5
25 to 34 years	757	330	230	98	99	12.9	6.6	40.9	43.6	30.4	26.0
35 to 44 years	413	178	122	53	61	14.0	6.9	38.9	43.0	30.6	27.5
45 to 54 years	339	126	99	55	60	16.6	9.0	35.3	37.0	38.1	33.7
55 to 64 years	194	68	54	28	45	18.7	9.6	30.2	34.9	45.3	37.3
65 years and over	50	17	10	8	15	22.8	10.5	27.5	34.8	50.7	44.6
White	5,373	2,290	1,604	701	778	14.0	6.8	38.6	42.6	32.0	27.5
Males	2,843	1,118	859	388	478	15.5	7.7	35.1	39.3	35.3	30.5
Females	2,530	1,172	745	313	301	12.2	5.9	42.9	46.3	28.1	24.2
Black and other	1,482	566	485	194	237	15.4	7.8	37.1	38.2	32.3	29.1
Males	745	249	239	116	141	17.5	9.1	32.3	33.4	37.2	34.5
Females	737	317	246	78	96	13.3	6.6	42.3	43.0	27.0	23.6
Males:											
Married, spouse present	1,436	479	434	235	288	17.7	9.7	29.2	33.3	41.6	36.4
Widowed, divorced, or separated	343	106	102	53	82	19.6	10.3	27.7	31.0	45.4	39.2
Single (never married)	1,809	782	561	217	249	13.8	6.5	40.7	43.2	28.4	25.7
Females:											
Married, spouse present	1,463	676	418	184	186	12.5	6.1	41.2	46.2	30.1	25.2
Widowed, divorced, or separated	580	220	184	82	94	15.7	7.7	37.9	38.0	33.6	30.3
Single (never married)	1,224	593	389	125	117	11.0	5.4	47.4	48.4	21.9	19.8

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19. Unemployed persons by duration, occupation, and industry of last job

Occupation and industry	Thousands of persons					Average (mean) duration, in weeks	Median duration, in weeks	Less than 5 weeks as a percent of unemployed in group		15 weeks and over as a percent of unemployed in group			
	Total	Less than 5 weeks	5 to 14 weeks	15 to 26 weeks	27 weeks and over			1977		1976	1977	1976	1977
OCCUPATION													
White-collar workers	2,024	803	605	282	333	15.1	7.6	36.8	39.7	34.2	30.4		
Professional and managerial	702	255	206	101	141	17.0	8.8	33.2	36.3	38.7	34.4		
Sales workers	318	135	94	41	48	14.2	6.7	42.1	42.5	29.0	28.0		
Clerical workers	1,004	414	306	140	144	14.0	7.1	37.8	41.2	32.7	28.3		
Blue-collar workers	2,656	1,043	805	382	426	15.3	7.8	34.0	39.3	36.5	30.4		
Craft and kindred workers	708	260	220	108	121	15.6	8.4	31.0	36.7	38.7	32.2		
Operatives, except transport	1,087	455	313	149	169	14.9	7.3	34.8	41.9	36.4	29.3		
Transport equipment operatives	246	89	77	39	41	15.9	8.8	35.0	36.4	37.2	32.2		
Nonfarm laborers	616	239	195	87	96	15.3	7.5	36.0	38.7	33.8	29.6		
Service workers	1,102	496	337	125	145	13.0	6.2	42.7	45.0	27.7	24.5		
INDUSTRY¹													
Agriculture	166	80	51	20	14	10.8	5.4	46.2	48.4	22.2	20.8		
Construction	607	225	190	91	101	15.7	8.2	34.1	37.1	35.6	31.6		
Manufacturing	1,452	566	417	222	248	15.9	8.2	32.6	38.9	40.5	32.4		
Durable goods	795	294	226	129	146	16.8	9.0	29.4	37.0	44.0	34.6		
Nondurable goods	657	271	191	92	102	14.9	7.2	37.1	41.3	35.5	29.6		
Transportation and public utilities	271	103	83	35	50	16.1	8.0	33.6	38.2	39.1	31.1		
Wholesale and retail trade	1,452	617	446	187	202	13.7	6.7	39.5	42.5	30.2	26.8		
Finance and service industries	1,606	671	488	200	247	14.3	7.0	39.1	41.8	30.4	27.8		
Public administration	210	75	66	32	36	15.2	8.5	32.1	35.8	36.8	32.5		
No previous work experience	940	448	302	92	99	11.9	5.5	48.7	47.6	19.5	20.3		

¹ Includes wage and salary workers only.

20. Employed persons by sex and age

[In thousands]

Age and type of industry	Total		Males		Females	
	1976	1977	1976	1977	1976	1977
All industries	87,485	90,546	52,391	53,861	35,095	36,685
16 to 19 years	7,269	7,610	3,904	4,124	3,365	3,486
16 to 17 years	2,926	3,084	1,601	1,704	1,325	1,379
18 to 19 years	4,343	4,526	2,303	2,420	2,040	2,107
20 to 24 years	12,276	12,855	6,742	7,031	5,534	5,824
25 to 54 years	54,438	56,351	33,346	34,164	21,093	22,188
25 to 34 years	21,881	23,140	13,495	14,049	8,386	9,091
35 to 44 years	16,325	16,990	9,942	10,252	6,383	6,739
45 to 54 years	16,232	16,221	9,908	9,863	6,324	6,358
55 to 64 years	10,774	10,966	6,677	6,794	4,097	4,173
55 to 59 years	6,617	6,810	4,066	4,184	2,550	2,625
60 to 64 years	4,158	4,157	2,611	2,609	1,547	1,547
65 years and over	2,727	2,763	1,722	1,749	1,006	1,015
Nonagricultural industries	84,188	87,302	49,675	51,222	34,513	36,080
16 to 19 years	6,842	7,211	3,547	3,793	3,295	3,418
16 to 17 years	2,698	2,867	1,410	1,531	1,288	1,336
18 to 19 years	4,144	4,344	2,137	2,263	2,007	2,082
20 to 24 years	11,910	12,480	6,435	6,717	5,475	5,764
25 to 54 years	52,801	54,739	32,046	32,911	20,755	21,828
25 to 34 years	21,330	22,584	13,049	13,616	8,281	8,969
35 to 44 years	15,843	16,501	9,568	9,875	6,275	6,626
45 to 54 years	15,628	15,653	9,429	9,420	6,199	6,233
55 to 64 years	10,244	10,449	6,228	6,359	4,016	4,090
55 to 59 years	6,328	6,508	3,828	3,935	2,500	2,573
60 to 64 years	3,916	3,941	2,400	2,424	1,515	1,516
65 years and over	2,392	2,423	1,419	1,442	973	981
Agriculture	3,297	3,244	2,716	2,639	582	605
16 to 19 years	427	399	357	331	70	68
16 to 17 years	228	217	191	174	37	43
18 to 19 years	199	182	166	157	33	25
20 to 24 years	366	375	307	314	59	60
25 to 54 years	1,637	1,613	1,300	1,253	338	360
25 to 34 years	551	556	446	433	105	122
35 to 44 years	482	490	374	376	108	113
45 to 54 years	604	567	479	443	125	125
55 to 64 years	531	517	449	434	82	83
55 to 59 years	289	301	238	249	50	52
60 to 64 years	242	216	211	185	32	31
65 years and over	336	340	303	307	33	33

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21. Employed persons by occupation, sex, and age

[In thousands]

Occupation	Total		Males, 20 years and over		Females, 20 years and over		Males, 16-19 years		Females, 16-19 years	
	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977
TOTAL	87,485	90,546	48,486	49,737	31,730	33,199	3,904	4,124	3,365	3,486
White-collar workers	43,700	45,187	20,917	21,348	20,496	21,453	634	660	1,652	1,726
Professional and technical	13,329	13,692	7,645	7,772	5,510	5,741	80	84	93	95
Health workers	2,310	2,471	804	867	1,489	1,586	2	5	15	14
Teachers, except college	3,099	3,024	895	873	2,177	2,126	6	6	21	19
Other professional and technical	7,920	8,197	5,946	6,032	1,844	2,029	72	73	57	62
Managers and administrators, except farm	9,315	9,662	7,314	7,457	1,919	2,119	59	53	23	31
Salaried workers	7,541	7,821	5,916	6,034	1,550	1,706	52	50	22	31
Self-employed workers in retail trade	903	934	648	652	251	277	3	2	--	--
Self-employed workers, except retail trade	871	908	749	771	118	135	4	1	--	--
Sales workers	5,497	5,728	2,896	2,993	1,968	2,090	244	258	389	388
Retail trade	3,018	3,124	935	972	1,538	1,588	188	203	357	361
Other industries	2,479	2,604	1,960	2,021	431	502	56	55	32	27
Clerical workers	15,558	16,106	3,063	3,126	11,098	11,503	251	265	1,147	1,212
Stenographers, typists, and secretaries	4,468	4,510	68	69	4,047	4,086	7	6	346	348
Other clerical workers	11,090	11,596	2,995	3,057	7,051	7,417	244	259	801	864
Blue-collar workers	28,958	30,211	21,782	22,596	4,721	4,948	2,070	2,260	385	407
Craft and kindred workers	11,278	11,881	10,358	10,841	507	560	375	440	38	39
Carpenters	1,021	1,171	961	1,081	5	8	53	80	2	2
Construction craft, except carpenters	2,297	2,404	2,181	2,271	20	22	93	108	2	3
Mechanics and repairers	2,977	3,180	2,807	2,992	29	42	138	143	3	2
Metal craft	1,199	1,229	1,139	1,164	32	34	25	29	2	1
Blue-collar worker supervisors, not elsewhere classified	1,443	1,554	1,317	1,403	117	137	6	11	3	3
All other	2,342	2,343	1,952	1,930	304	317	61	69	26	28
Operatives, except transport	10,085	10,354	5,543	5,607	3,701	3,832	592	651	248	264
Durable goods manufacturing	4,496	4,613	2,878	2,893	1,373	1,436	173	201	74	84
Nondurable goods manufacturing	3,232	3,367	1,252	1,284	1,761	1,840	99	117	120	126
Other industries	2,355	2,373	1,415	1,430	568	556	319	334	54	54
Transport equipment operatives	3,271	3,476	2,893	3,065	194	222	169	173	15	16
Drivers, motor vehicles	2,757	2,921	2,424	2,563	181	204	140	140	13	14
All other	513	555	469	502	12	17	29	33	2	2
Nonfarm laborers	4,325	4,500	2,988	3,083	319	334	934	995	84	88
Construction	732	807	585	631	8	10	135	162	3	4
Manufacturing	1,049	1,069	817	805	120	121	104	135	7	8
Other industries	2,544	2,624	1,585	1,648	190	203	694	698	75	75
Service workers	12,005	12,392	3,726	3,792	6,110	6,376	896	922	1,274	1,301
Private household workers	1,125	1,158	19	21	838	886	11	15	257	236
Service workers, except private household	10,880	11,234	3,707	3,772	5,272	5,490	885	908	1,017	1,065
Food service workers	3,919	4,095	707	741	2,023	2,075	520	548	669	732
Protective service workers	1,302	1,324	1,195	1,198	77	99	23	21	6	5
All other	5,659	5,815	1,805	1,833	3,172	3,316	342	339	342	328
Farm workers	2,822	2,756	2,061	2,001	404	421	304	282	54	52
Farmers and farm managers	1,514	1,459	1,408	1,353	88	92	15	14	2	1
Farm laborers and supervisors	1,309	1,296	653	648	315	329	289	267	52	51
Paid workers	983	973	615	613	118	126	214	199	37	35
Unpaid family workers	326	323	38	35	198	203	75	69	15	16

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22. Employed persons by occupation, sex, and race

[Percent distribution]

Occupation and race	Total		Males		Females	
	1976	1977	1976	1977	1976	1977
TOTAL						
Total employed (thousands)	87,485	90,546	52,391	53,861	35,095	36,685
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	49.9	49.9	41.1	40.9	63.1	63.2
Professional and technical	15.2	15.1	14.7	14.6	16.0	15.9
Managers and administrators, except farm	10.6	10.7	14.1	13.9	5.5	5.9
Sales workers	6.3	6.3	6.0	6.0	6.7	6.8
Clerical workers	17.8	17.8	6.3	6.3	34.9	34.7
Blue-collar workers	33.1	33.4	45.5	46.1	14.5	14.6
Craft and kindred workers	12.9	13.1	20.5	20.9	1.6	1.6
Operatives, except transport	11.5	11.4	11.7	11.6	11.3	11.2
Transport equipment operatives	3.7	3.8	5.8	6.0	.6	.6
Nonfarm laborers	4.9	5.0	7.5	7.6	1.1	1.2
Service workers	13.7	13.7	8.8	8.8	21.0	20.9
Private household workers	1.3	1.3	.1	.1	3.1	3.1
Other service workers	12.4	12.4	8.8	8.7	17.9	17.9
Farm workers	3.2	3.0	4.5	4.2	1.3	1.3
Farmers and farm managers	1.7	1.6	2.7	2.5	.3	.3
Farm laborers and supervisors	1.5	1.4	1.8	1.7	1.0	1.0
White						
Total employed (thousands)	78,021	80,734	47,282	48,578	30,739	32,156
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	51.8	51.7	42.8	42.4	65.6	65.6
Professional and technical	15.7	15.5	15.3	15.1	16.2	16.1
Managers and administrators, except farm	11.4	11.4	15.0	14.8	5.9	6.3
Sales workers	6.7	6.8	6.4	6.4	7.3	7.3
Clerical workers	18.0	18.0	6.2	6.1	36.2	35.9
Blue-collar workers	32.6	32.9	44.6	45.3	14.0	14.1
Craft and kindred workers	13.4	13.6	21.1	21.5	1.6	1.7
Operatives, except transport	11.0	11.0	11.3	11.3	10.7	10.6
Transport equipment operatives	3.6	3.7	5.5	5.7	.6	.7
Nonfarm laborers	4.5	4.6	6.8	6.8	1.1	1.1
Service workers	12.3	12.3	8.0	7.9	19.0	19.0
Private household workers . . . . .	.9	.9	(1)	.1	2.2	2.2
Other service workers	11.4	11.4	7.9	7.9	16.8	16.7
Farm workers	3.3	3.1	4.6	4.3	1.4	1.3
Farmers and farm managers	1.9	1.8	2.9	2.7	.3	.3
Farm laborers and supervisors	1.5	1.4	1.7	1.6	1.1	1.1
Black and other						
Total employed (thousands)	9,464	9,812	5,108	5,283	4,356	4,529
Percent	100.0	100.0	100.0	100.0	100.0	100.0
White-collar workers	34.7	35.3	25.4	26.3	45.5	45.8
Professional and technical	11.7	11.8	9.6	9.6	14.2	14.3
Managers and administrators, except farm	4.4	4.8	5.8	6.4	2.8	2.9
Sales workers	2.5	2.6	2.4	2.6	2.5	2.6
Clerical workers	16.1	16.1	7.6	7.7	26.0	26.0
Blue-collar workers	37.6	37.6	54.2	54.0	18.2	18.4
Craft and kindred workers	8.7	9.0	15.3	15.5	1.1	1.3
Operatives, except transport	15.6	15.1	15.9	14.8	15.3	15.5
Transport equipment operatives	4.9	5.2	8.8	9.3	.4	.4
Nonfarm laborers	8.3	8.3	14.3	14.4	1.4	1.2
Service workers	25.4	25.0	16.8	16.5	35.4	34.9
Private household workers	4.4	4.2	.2	.2	9.4	8.9
Other service workers	21.0	20.8	16.6	16.3	26.0	26.0
Farm workers	2.3	2.2	3.6	3.2	.9	.9
Farmers and farm managers5	.4	.9	.7	(1)	(1)
Farm laborers and supervisors	1.8	1.8	2.7	2.6	.8	.9

¹ Less than 0.05 percent.

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23. Employed persons by detailed occupation, sex and race, 1977

[Percent distribution]

Occupations	Total employed	Percent distribution		Occupations	Total employed	Percent distribution	
		Female	Black and other			Female	Black and other
Total employed (thousands)	90,546	40.5	10.8	White-collar workers—Continued			
White-collar workers	45,187	51.3	7.7	Managers and administrators—Continued			
Professional and technical	13,692	42.6	8.4	Managers and superintendents, building	151	49.0	5.3
Accountants	868	27.5	6.8	Office managers, n.e.c.	343	58.0	3.2
Architects	58	3.4	5.2	Officials and administrators, public administration n.e.c.	401	24.9	8.5
Computer specialists	371	23.2	5.9	Officials of lodges, societies and unions	118	24.6	5.9
Computer programmers	221	26.2	6.3	Restaurant, cafeteria and bar managers	548	34.7	8.9
Computer systems analysts	129	20.2	5.4	Sales managers and department heads, retail trade	345	36.2	5.2
Engineers	1,267	2.7	5.5	Sales managers, except retail trade	321	3.7	7.9
Aeronautical and astronautical engineers	54	1.9	3.7	School administrators, college	126	29.4	2.5
Civil engineers	171	1.2	7.6	School administrators, elementary and secondary	265	36.2	7.9
Electrical and electronic engineers	324	2.8	5.9	All other managers and administrators	5,797	15.2	4.1
Industrial engineers	214	7.0	4.2				
Mechanical engineers	215	.9	5.6	Sales workers	5,728	43.3	4.5
Lawyers and judges	462	9.5	3.2	Advertising agents and sales workers	81	27.2	2.5
Lawyers	441	9.3	3.2	Demonstrators	92	95.7	5.4
Librarians, archivists, and curators	208	79.8	9.1	Hucksters and peddlers	198	79.8	7.1
Librarians	193	83.4	9.8	Insurance agents, brokers, and underwriters	500	16.6	5.4
Life and physical scientists	275	15.6	8.7	Newspaper carriers and vendors	110	26.4	5.5
Biological scientists	55	36.4	12.7	Real estate agents and brokers	502	43.8	2.0
Chemists	124	13.7	10.5	Stock and bond sales agents	98	13.3	2.0
Operations and systems researchers and analysts	122	20.5	4.1	Sales workers and sales clerks, n.e.c.	4,141	45.0	4.6
Personnel and labor relations workers	370	43.5	11.9	Sales representatives, manufacturing industries	336	13.1	3.6
Physicians, dentists and related practitioners	724	10.6	6.9	Sales representatives, wholesale trade	850	7.6	2.6
Dentists	105	2.9	5.7	Sales clerks, retail trade	2,316	70.4	5.8
Pharmacists	138	17.4	4.3	Sales workers, except clerks, retail trade	486	14.6	2.9
Physicians, medical and osteopathic	403	11.2	9.2	Sales workers, services and construction	154	35.1	4.5
Nurses, dietitians, and therapists	1,285	92.8	11.5				
Registered nurses	1,063	96.7	11.3	Clerical workers	16,106	78.9	9.8
Therapists	178	68.5	9.6	Bank tellers	408	90.0	7.6
Health technologists and technicians	462	71.4	12.1	Billing clerks	156	87.8	5.8
Clinical laboratory technologists and technicians	194	74.2	15.5	Bookkeepers	1,726	90.0	4.4
Radiologic technologists and technicians	85	71.8	7.1	Cashiers	1,326	87.0	8.8
Religious workers	347	13.0	8.6	Clerical supervisors, n.e.c.	226	65.9	9.7
Social scientists	224	28.6	3.1	Collectors, bill and account	71	47.9	8.5
Economists	106	17.9	4.7	Counter clerks, except food	343	77.8	9.6
Psychologists	92	41.3	2.2	Dispatchers and starters, vehicle	99	20.2	9.1
Social and recreation workers	444	60.8	18.9	Estimators and investigators, n.e.c.	451	51.0	9.3
Social workers	325	61.2	19.1	Expeditors and production controllers	215	34.0	8.8
Recreation workers	119	59.7	19.3	File clerks	274	84.7	20.4
Teachers, college and university	562	31.7	7.5	Insurance adjusters, examiners, and investigators	168	50.6	10.1
Teachers, except college and university	3,024	70.9	9.8	Library attendants and assistants	142	80.3	16.2
Adult education teachers	76	46.1	9.2	Mail carriers, post office	242	9.5	10.3
Elementary school teachers	1,313	84.2	11.4	Mail handlers, except post office	147	49.7	21.1
Prekindergarten and kindergarten teachers	231	98.7	15.2	Messengers and office helpers	93	28.0	17.2
Secondary school teachers	1,157	51.2	8.0	Office machine operators	759	73.8	14.9
Teachers except college and university, n.e.c.	246	75.2	4.9	Bookkeeping and billing machine operators	52	92.3	11.5
Engineering and science technicians	892	14.9	7.0	Computer and peripheral equipment operators	302	54.6	11.6
Chemical technicians	78	15.4	9.0	Key punch operators	280	93.2	17.9
Drafters	283	13.8	7.1	Payroll and timekeeping clerks	227	76.2	7.5
Electrical and electronic engineering technicians	194	10.3	9.8	Postal clerks	267	31.8	26.2
Surveyors	68	1.5	--	Receptionists	531	96.8	8.1
Technicians, except health, engineering and science	186	19.9	6.5	Secretaries	3,421	99.1	5.4
Airplane pilots	64	--	1.6	Secretaries, legal	153	100.0	3.4
Vocational and educational counselors	175	49.1	14.3	Secretaries, medical	90	100.0	5.6
Writers, artists, and entertainers	1,141	35.5	5.4	Secretaries, n.e.c.	3,177	99.1	5.5
Athletes and kindred workers	105	41.9	6.7	Shipping and receiving clerks	467	19.5	13.7
Designers	146	24.0	2.7	Statistical clerks	357	75.6	11.2
Editors and reporters	185	44.9	4.9	Stenographers	83	91.6	12.0
Musicians and composers	154	31.2	9.7	Stock clerks and storekeepers	497	30.8	12.3
Painters and sculptors	177	44.6	4.5	Teachers aides, except school monitors	320	93.4	16.9
Photographers	81	13.6	3.7	Telephone operators	342	95.3	14.0
Public relations specialists and publicity writers	120	38.3	5.0	Ticket, station and express agents	129	42.6	10.9
Research workers not specified	111	40.5	12.6	Typists	1,006	96.3	14.5
All other professional and technical workers	114	25.4	6.1	All other clerical workers	1,613	75.4	11.6
Managers and administrators, except farm	9,662	22.3	4.8	Blue-collar workers	30,211	17.7	12.2
Bank officials and financial managers	543	27.3	4.4	Craft and kindred workers	11,881	5.0	7.4
Buyers and purchasing agents	372	28.0	3.8	Carpenters	1,171	.9	4.4
Buyers, wholesale and retail trade	162	37.0	4.3	Brickmasons and stonemasons	177	--	18.1
Credit and collection managers	54	33.3	1.9	Cement and concrete finishers	72	--	31.9
Health administrators	175	45.1	5.1	Electricians	588	.2	4.8
Inspectors, except construction and public administration	103	9.7	7.8	Excavating, grading, and road machinery operators	406	.2	9.6
				Painters, construction and maintenance	461	3.3	10.2

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23. Employed persons by detailed occupation, sex and race, 1977—Continued

[Percent distribution]

Occupations	Total employed	Percent distribution		Occupations	Total employed	Percent distribution	
		Females	Black and other			Females	Black and other
Blue-collar workers—Continued				Blue-collar workers—Continued			
Craft and kindred workers—Continued				Operatives, except transport—Continued			
Plumbers and pipefitters	429	.5	8.2	Shoemaking machine operatives	77	71.4	7.8
Structural metal craft workers	68	--	5.9	Furnace tenders and stokers, except metal	72	1.4	15.3
Roofers and slaters	100	1.0	13.0	Textile operatives	389	59.4	20.8
Blue-collar worker supervisors, n.e.c.	1,554	9.0	7.4	Spinners, twisters, and winders	168	69.6	20.8
Machinists and job setters	576	2.6	8.0	Welders and flame cutters	639	6.3	8.8
Job and die setters, metal	97	2.1	5.2	Winding operatives, n.e.c.	58	56.9	5.2
Machinists	478	2.7	8.6	All other operatives, except transport	2,988	32.2	14.2
Metal craft workers, excluding mechanics, machinists, and job setters	653	3.1	6.7	Transport equipment operatives	3,476	6.8	14.6
Millwrights	97	--	2.1	Busdrivers	339	42.2	15.9
Molders, metal	53	13.2	15.1	Delivery and route workers	516	7.0	7.4
Sheetmetal workers and tinsmiths	154	1.9	7.1	Fork lift and tow motor operatives	391	3.6	19.9
Tool and die makers	193	1.6	2.1	Railroad switch operators	51	--	9.8
Mechanics, automobiles	1,161	.9	8.0	Taxicab drivers and chauffeurs	167	9.6	24.6
Automobile body repairers	179	.6	7.3	Truck drivers	1,898	1.3	14.3
Mechanics, automobiles	981	1.0	8.2	All other transport equipment operatives	114	4.4	18.4
Mechanics, except automobiles	2,019	1.6	6.1	Nonfarm laborers	4,500	9.4	18.1
Airconditioning, heating, and refrigeration mechanics	194	.5	3.6	Animal caretakers	90	46.7	7.8
Aircraft mechanics	118	.8	9.3	Construction laborers including carpenters' helpers	869	2.0	17.5
Data processing machine repairers	50	4.0	6.0	Freight and material handlers	783	7.9	19.4
Farm implement mechanics	67	--	3.0	Garbage collectors	73	1.4	37.0
Heavy equipment mechanics, including diesel	910	1.3	6.2	Gardeners and groundkeepers, except farm	597	4.2	17.9
Household appliances and accessory installers and mechanics	149	2.0	7.4	Timber cutting and logging workers	98	--	22.4
Office machine repairers	69	1.4	4.3	Stockhandlers	856	22.7	11.6
Radio and television repairers	134	3.7	6.0	Vehicle washers and equipment cleaners	191	12.6	23.0
Railroad and car shop mechanics	53	1.9	5.7	Warehouse laborers, n.e.c.	235	5.1	17.4
Printing craft workers	389	22.4	8.0	All other nonfarm laborers	708	6.4	23.2
Compositers and typesetters	166	27.1	6.0	Service workers	12,392	62.0	19.8
Printing press operators	153	11.1	7.2	Private households	1,158	97.0	35.8
Bakers	106	39.6	9.4	Child care workers	443	97.5	9.3
Cabinetmakers	85	3.5	3.5	Cleaners and servants	574	96.5	55.4
Carpet installers	72	--	6.9	Housekeepers	106	97.2	34.0
Crane, derrick, and hoist operators	169	.6	13.0	Service workers, except private households	11,234	58.3	18.1
Decorators and window dressers	124	65.3	5.6	Cleaning workers	2,363	34.9	28.9
Electric power line and cable installers and repairers	107	--	3.7	Lodging quarters cleaners	178	96.1	42.7
Inspectors, n.e.c.	152	8.6	9.2	Building interior cleaners, n.e.c.	829	53.7	32.3
Locomotive engineers	47	2.1	6.4	Janitors and sextons	1,356	15.4	25.0
Stationery engineers	183	.5	6.6	Food service workers	4,095	68.5	13.8
Tailors	43	34.9	11.6	Bartenders	272	41.9	6.6
Telephone installers and repairers	279	5.0	6.5	Waiters' assistants	192	22.4	12.0
Telephone line installers and repairers	68	1.5	4.4	Cooks	1,106	56.3	20.6
Upholsterers	70	25.7	10.0	Dishwashers	257	30.4	14.4
All other craft workers	552	13.2	7.8	Food counter and fountain workers	454	85.7	10.6
Operatives, except transport	10,354	39.6	14.3	Waiters	1,310	90.4	7.6
Assemblers	1,136	50.3	15.7	Food service workers, n.e.c.	505	74.3	21.8
Checkers, examiners, and inspectors, manufacturing	684	49.4	10.5	Health service workers	1,747	89.2	22.7
Clothing ironers and pressers	132	78.0	41.7	Dental assistants	123	98.4	5.7
Cutting operatives, n.e.c.	252	31.7	12.3	Health aides and trainees, excluding nursing	245	84.5	18.0
Dressmakers and seamstresses, excluding factory	119	98.3	11.8	Nursing aides, orderlies, and attendants	1,008	86.3	26.5
Drillers, earth	62	3.2	4.8	Practical nurses	371	96.8	21.6
Dry wall installers and lathers	77	1.3	6.5	Personal service workers	1,705	74.0	13.6
Filers, polishers, sanders, and buffers	119	31.9	10.9	Attendants	295	53.9	13.2
Furnace tenders, smelters, and pourers, metal	76	1.3	18.4	Barbers	118	8.5	14.4
Garage workers and gas station attendants	427	5.2	8.9	Child care workers	442	95.2	12.4
Laundry and dry cleaning operatives, n.e.c.	165	64.8	27.9	Hairdressers and cosmetologists	526	88.2	8.6
Meat cutters and butchers, excluding manufacturing	187	7.0	9.1	Housekeepers, excluding private households	127	64.6	18.9
Meat cutters and butchers, manufacturing	88	35.2	21.6	Welfare service aides	77	89.6	31.2
Mine operatives, n.e.c.	200	1.5	4.0	Protective service workers	1,324	7.9	12.2
Mixing operatives	88	5.7	15.9	Fire fighters	225	.4	7.1
Packers and wrappers, excluding meat and produce	610	63.6	17.4	Guards	490	10.2	18.0
Painters, manufactured articles	152	17.8	16.4	Police	498	3.8	9.2
Photographic process workers	83	53.0	14.5	Sheriffs and bailiffs	60	5.0	6.7
Precision machine operatives	372	10.2	8.3	Farm workers	2,756	17.2	7.7
Drill press operatives	62	21.0	9.7	Farmers and farm managers	1,459	6.4	2.5
Grinding machine operatives	126	6.3	10.3	Farmers (owners and tenants)	1,427	6.4	2.5
Lathe and milling machine operatives	121	9.1	7.4	Farm laborers and supervisors	1,296	29.4	13.5
Punch and stamping-press operatives	152	36.2	15.1	Farm laborers, wage workers	936	17.0	17.2
Sawyers	130	7.7	18.5	Farm laborers, unpaid family workers	323	67.8	4.0
Sewers and stitchers	820	95.2	18.8				

NOTE: N.E.C. is an abbreviation for "not elsewhere classified" and designates broad categories of occupations which cannot be more specifically identified.

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24. Employed persons by class of worker, age, and sex

[In thousands]

Age and sex	1977								
	Nonagricultural industries						Agriculture		
	Wage and salary workers				Self employed	Unpaid family workers	Wage and salary workers	Self employed	Unpaid family workers
	Total	Private household workers	Government	Other					
Total, 16 years and over	80,804	1,376	15,153	64,275	6,005	492	1,330	1,570	343
16 to 19 years	7,096	332	543	6,220	84	32	286	26	87
16 to 17 years	2,810	252	189	2,369	41	16	149	11	57
18 to 19 years	4,286	80	355	3,851	43	16	137	14	31
20 to 24 years	12,167	98	1,623	10,446	288	25	262	87	26
25 to 34 years	21,156	150	4,350	16,656	1,336	92	259	245	51
35 to 44 years	15,021	154	3,190	11,678	1,351	128	171	262	56
45 to 54 years	14,152	209	3,148	10,794	1,384	117	170	337	61
55 to 64 years	9,317	260	1,997	7,060	1,060	72	120	356	42
55 to 59 years	5,842	140	1,310	4,392	622	44	70	205	26
60 to 64 years	3,475	120	686	2,668	438	28	50	151	16
65 years and over	1,895	172	302	1,421	503	25	63	257	20
Males, 16 years and over	46,819	195	7,765	38,859	4,348	55	1,079	1,453	107
16 to 19 years	3,718	87	253	3,378	54	21	237	23	71
16 to 17 years	1,491	69	97	1,325	27	13	119	10	45
18 to 19 years	2,227	18	156	2,053	27	8	118	13	26
20 to 24 years	6,514	21	679	5,815	192	11	215	84	15
25 to 34 years	12,682	16	2,235	10,432	928	5	205	222	7
35 to 44 years	8,885	10	1,645	7,230	989	1	136	239	2
45 to 54 years	8,384	14	1,662	6,708	1,033	3	130	309	3
55 to 64 years	5,568	20	1,111	4,436	785	6	100	332	3
55 to 59 years	3,471	10	710	2,751	461	3	58	190	1
60 to 64 years	2,096	11	401	1,684	324	4	42	141	1
65 years and over	1,067	26	179	862	367	8	57	244	6
Females, 16 years and over	33,986	1,181	7,388	25,416	1,658	437	252	117	236
16 to 19 years	3,377	245	290	2,842	29	11	49	3	17
16 to 17 years	1,319	183	92	1,044	14	4	30	2	12
18 to 19 years	2,059	62	199	1,798	16	7	19	1	5
20 to 24 years	5,653	78	944	4,631	96	15	416	3	11
25 to 34 years	8,475	134	2,116	6,225	407	87	55	23	44
35 to 44 years	6,136	143	1,545	4,448	363	127	36	23	54
45 to 54 years	5,768	195	1,486	4,087	351	114	40	27	58
55 to 64 years	3,750	240	885	2,625	274	66	20	24	39
55 to 59 years	2,371	130	600	1,641	161	41	13	15	25
60 to 64 years	1,379	109	286	984	113	25	7	9	14
65 years and over	827	146	123	559	136	17	6	13	14

25. Employed persons by industry and occupation

[In thousands]

Industry	1977											
	Total employed	White-collar workers				Blue-collar workers				Service workers		Farm workers
		Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Agriculture	3,244	65	36	8	71	47	15	30	208	--	7	2,756
Mining	814	102	72	3	79	223	263	46	16	--	10	--
Construction	5,504	170	612	19	370	3,074	236	184	807	--	32	--
Manufacturing	20,637	2,065	1,383	432	2,420	4,083	7,980	814	1,069	--	391	--
Durable goods	12,274	1,353	789	147	1,372	2,729	4,613	396	657	--	219	--
Nondurable goods	8,363	712	594	285	1,048	1,354	3,367	419	413	--	172	--
Transportation and public utilities	5,833	464	554	40	3,292	1,260	165	1,402	465	--	169	--
Wholesale and retail trade	18,706	355	3,616	3,616	3,203	1,442	968	728	1,144	--	3,280	--
Wholesale trade	3,597	110	755	844	752	308	167	377	252	--	32	--
Retail trade	15,109	245	2,861	3,124	2,451	1,134	802	351	892	--	3,249	--
Finance, insurance, and real estate	5,038	241	970	1,102	2,286	106	8	11	67	--	247	--
Services	25,797	9,320	1,786	152	4,570	1,341	671	212	553	1,158	6,036	--
Private households	1,406	14	--	--	12	6	2	6	153	1,158	56	--
Other service industries	24,391	9,306	1,786	152	4,558	1,335	669	206	400	--	5,980	--
Public administration	4,972	911	633	3	1,792	305	47	50	169	--	1,062	--

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26. Employed persons in nonagricultural industries by class of worker and sex

(In thousands)

Industry	1977					
	Total employed	Wage and salary workers			Self-employed workers	Unpaid family workers
		Total	Government	Private industries		
Total						
Mining	814	793	2	792	20	1
Construction	5,504	4,528	528	4,000	933	43
Manufacturing	20,637	20,311	133	20,177	300	26
Durable goods	12,274	12,066	103	11,963	194	14
Nondurable goods	8,363	8,244	30	8,214	107	12
Transportation and public utilities	5,833	5,603	797	4,806	216	14
Wholesale and retail trade	18,706	16,712	107	16,605	1,728	267
Wholesale trade	3,597	3,321	2	3,319	249	27
Retail trade	15,109	13,391	105	13,286	1,479	240
Finance, insurance, and real estate	5,038	4,679	120	4,559	335	24
Services	25,797	23,207	8,494	14,713	2,473	117
Private households	1,406	1,376	--	1,376	30	1
Other service industries	24,391	21,831	8,494	13,337	2,443	116
Business repair	3,219	2,560	25	2,535	610	49
Personal	2,419	1,645	18	1,627	747	27
Entertainment and recreation	968	843	110	734	123	1
Professional	17,644	16,676	8,272	8,404	931	36
Medical, except hospital	2,683	2,343	427	1,916	321	18
Hospitals	3,645	3,642	1,163	2,479	3	--
Welfare and religion	1,428	1,406	532	873	19	4
Education	7,582	7,431	6,023	1,408	148	2
Other	2,307	1,854	127	1,727	440	13
Forestry and fisheries	140	106	69	37	31	3
Public administration	4,972	4,972	4,972	--	--	--
Males						
Mining	745	726	1	724	20	--
Construction	5,154	4,234	492	3,742	914	6
Manufacturing	14,481	14,220	108	14,112	260	2
Durable goods	9,408	9,231	90	9,141	175	1
Nondurable goods	5,074	4,988	18	4,970	85	1
Transportation and public utilities	4,531	4,325	649	3,676	204	2
Wholesale and retail trade	10,419	9,207	51	9,155	1,181	31
Wholesale trade	2,749	2,521	1	2,520	226	3
Retail trade	7,669	6,686	50	6,636	955	29
Finance, insurance, and real estate	2,313	2,052	73	1,979	260	1
Services	10,242	8,719	3,053	5,666	1,509	14
Private households	196	195	--	195	1	--
Other service industries	10,046	8,524	3,053	5,471	1,508	14
Business repair	2,230	1,710	12	1,698	512	7
Personal	814	584	6	578	227	3
Entertainment and recreation	616	531	62	469	84	1
Professional	6,267	5,610	2,917	2,693	655	2
Medical, except hospital	726	466	154	311	259	1
Hospitals	874	873	371	502	2	--
Welfare and religion	607	595	141	454	12	--
Education	2,687	2,666	2,161	505	21	1
Other	1,373	1,011	91	920	361	1
Forestry and fisheries	119	89	56	33	30	1
Public administration	3,337	3,337	3,337	--	--	--
Females						
Mining	69	68	--	68	--	1
Construction	350	294	36	258	19	38
Manufacturing	6,155	6,091	25	6,066	41	24
Durable goods	2,867	2,835	13	2,822	19	13
Nondurable goods	3,289	3,256	12	3,244	22	11
Transportation and public utilities	1,303	1,278	148	1,130	11	13
Wholesale and retail trade	8,288	7,505	55	7,450	547	236
Wholesale trade	848	801	1	800	23	24
Retail trade	7,440	6,704	55	6,650	524	212
Finance, insurance, and real estate	2,725	2,627	47	2,580	75	23
Services	15,555	14,488	5,442	9,046	964	103
Private households	1,210	1,181	--	1,181	29	1
Other service industries	14,345	13,307	5,442	7,865	935	102
Business repair	990	850	13	837	98	42
Personal	1,606	1,061	12	1,049	521	24
Entertainment and recreation	352	312	48	264	39	1
Professional	11,377	11,067	5,355	5,711	276	34
Medical, except hospital	1,956	1,878	273	1,605	62	17
Hospitals	2,771	2,770	792	1,977	1	--
Welfare and religion	822	811	392	419	7	4
Education	4,894	4,766	3,862	903	127	2
Other	934	843	36	806	79	12
Forestry and fisheries	20	17	13	4	2	2
Public administration	1,635	1,635	1,635	--	--	--

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27. Employed persons by industry, occupation, and sex

(Percent distribution)

Industry and sex	1977												Farm workers
	Total employed		White-collar workers				Blue-collar workers				Service workers		
	Numbers (in thousands)	Percent	Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
Total													
Agriculture	3,244	100.0	2.0	1.1	.2	2.2	1.4	.5	.9	6.4	--	.2	85.0
Mining	814	100.0	12.5	8.8	.4	9.7	27.4	32.3	5.7	2.0	--	1.2	--
Construction	5,504	100.0	3.1	11.1	.3	6.7	55.9	4.3	3.3	14.7	--	.6	--
Manufacturing	20,637	100.0	10.0	6.7	2.1	11.7	19.8	38.7	3.9	5.2	--	1.9	--
Durable goods	12,274	100.0	11.0	6.4	1.2	11.2	22.2	37.6	3.2	5.4	--	1.8	--
Nondurable goods	8,363	100.0	8.5	7.1	3.4	12.5	16.2	40.3	5.0	4.9	--	2.1	--
Transportation and public utilities	5,833	100.0	8.0	9.5	.7	22.5	21.6	2.8	24.0	8.0	--	2.9	--
Wholesale and retail trade	18,706	100.0	1.9	19.3	21.2	17.1	7.7	5.2	3.9	6.1	--	17.5	--
Wholesale trade	3,597	100.0	3.1	21.0	23.5	20.9	8.6	4.6	10.5	7.0	--	.9	--
Retail trade	15,109	100.0	1.6	18.9	20.7	16.2	7.5	5.3	2.3	5.9	--	21.5	--
Finance, insurance, and real estate	5,038	100.0	4.8	19.3	21.9	45.4	2.1	.2	1.3	--	--	4.9	--
Services	25,797	100.0	36.1	6.9	.6	17.7	5.2	2.6	.8	2.1	4.5	23.4	--
Private households	1,406	100.0	1.0	--	--	.9	.4	.1	.4	10.9	82.3	4.0	--
Other service industries	24,391	100.0	38.2	7.3	.6	18.7	5.5	2.7	.8	1.6	--	24.5	--
Public administration	4,972	100.0	18.3	12.7	.1	36.0	6.1	.9	1.0	3.4	--	21.4	--
Males													
Agriculture	2,639	100.0	2.1	1.1	.2	.3	1.7	.5	1.1	6.4	--	.1	86.6
Mining	745	100.0	12.6	9.3	.4	3.8	29.8	34.9	6.0	2.1	--	1.1	--
Construction	5,154	100.0	3.1	11.4	.3	2.0	59.2	4.5	3.5	15.4	--	.5	--
Manufacturing	14,481	100.0	12.0	8.7	2.5	5.4	26.2	31.0	5.5	6.5	--	2.3	--
Durable goods	9,408	100.0	12.8	7.7	1.4	5.2	27.6	32.9	4.1	6.3	--	2.0	--
Nondurable goods	5,074	100.0	10.3	10.4	4.6	5.9	23.5	27.6	8.1	6.9	--	2.7	--
Transportation and public utilities	4,531	100.0	8.8	10.3	.7	9.6	27.3	3.4	27.5	10.0	--	2.4	--
Wholesale and retail trade	10,419	100.0	2.4	26.5	18.8	4.9	12.4	7.0	6.7	9.4	--	11.8	--
Wholesale trade	2,749	100.0	3.2	24.9	28.4	6.4	10.8	4.0	13.4	8.0	--	.9	--
Retail trade	7,669	100.0	2.1	27.1	15.3	4.4	13.0	8.1	4.3	9.9	--	15.7	--
Finance, insurance, and real estate	2,313	100.0	6.6	29.3	34.0	14.8	4.1	.2	.4	2.7	--	7.8	--
Services	10,242	100.0	42.3	11.6	.9	4.8	12.1	3.2	1.8	4.9	.3	18.0	--
Private households	196	100.0	.5	--	--	.5	3.1	.5	2.0	74.0	17.9	1.0	--
Other service industries	10,046	100.0	4.3	11.8	.9	4.8	12.3	3.3	1.8	3.5	--	18.4	--
Public administration	3,337	100.0	20.4	14.2	--	20.5	9.0	1.2	1.4	4.8	--	28.5	--
Females													
Agriculture	605	100.0	1.5	1.0	.5	10.4	.3	.3	.3	6.6	--	.8	78.2
Mining	69	100.0	11.8	4.4	--	75.0	--	4.4	1.5	--	--	2.9	--
Construction	350	100.0	2.3	6.9	.6	76.1	6.6	.6	.6	4.0	--	2.3	--
Manufacturing	6,155	100.0	5.4	2.1	1.1	26.5	4.8	56.6	.4	2.1	--	1.1	--
Durable goods	2,867	100.0	5.1	2.1	.6	30.9	4.5	53.0	.5	2.3	--	1.1	--
Nondurable goods	3,289	100.0	5.7	2.1	1.6	22.7	4.9	59.8	.3	1.9	--	1.0	--
Transportation and public utilities	1,303	100.0	5.0	6.6	.8	67.6	1.6	.8	12.0	.8	--	4.8	--
Wholesale and retail trade	8,288	100.0	1.3	10.3	24.3	32.4	1.7	2.9	.3	2.0	--	24.7	--
Wholesale trade	848	100.0	2.7	8.3	7.7	68.0	1.2	6.7	1.1	3.8	--	.6	--
Retail trade	7,440	100.0	1.1	10.6	26.2	28.4	1.8	2.5	.3	1.7	--	27.5	--
Finance, insurance, and real estate	2,725	100.0	3.2	10.7	11.6	71.3	.4	.1	--	.1	--	2.4	--
Services	15,555	100.0	32.1	3.9	.4	26.2	.6	2.2	.2	.3	7.2	26.9	--
Private households	1,210	100.0	1.1	--	--	.9	--	.1	.2	.7	92.7	4.4	--
Other service industries	14,345	100.0	34.7	4.2	.4	28.4	.7	2.4	.2	.3	--	28.8	--
Public administration	1,635	100.0	14.1	9.7	.1	67.8	.3	.5	.1	.6	--	6.8	--

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28. Employed persons by industry, occupation, and race

(Percent distribution)

Industry and race	1977												Farm workers
	Total employed		White-collar workers				Blue-collar workers				Service workers		
	Numbers (in thousands)	Percent	Professional and technical workers	Managers and administrators, except farm	Sales workers	Clerical workers	Craft and kindred workers	Operatives, except transport	Transport equipment operatives	Nonfarm laborers	Private household workers	Other service workers	
WHITE													
Agriculture	2,993	100.0	2.1	1.2	.3	2.3	1.5	.5	.9	6.0	--	.2	85.0
Mining	782	100.0	12.5	9.2	.4	9.6	27.2	32.5	5.8	1.7	--	1.2	--
Construction	5,068	100.0	3.1	11.8	.4	7.0	56.6	4.3	3.1	13.2	--	.4	--
Manufacturing	18,366	100.0	10.6	7.4	2.2	12.3	20.5	37.0	3.8	4.6	--	1.7	--
Durable goods	10,983	100.0	11.7	7.0	1.3	11.7	22.9	36.3	2.9	4.7	--	1.6	--
Nondurable goods	7,383	100.0	9.0	7.8	3.6	13.1	17.0	38.1	5.0	4.5	--	1.8	--
Transportation and public utilities	5,132	100.0	8.5	10.3	.7	22.4	22.7	2.8	23.3	6.8	--	2.5	--
Wholesale and retail trade	17,283	100.0	2.0	19.9	21.9	17.2	7.9	5.0	3.7	5.8	--	16.7	--
Wholesale trade	3,338	100.0	3.1	21.8	24.6	21.0	8.5	4.2	9.8	6.3	--	.6	--
Retail trade	13,945	100.0	1.7	19.5	21.2	16.3	7.7	5.2	2.2	5.6	--	20.5	--
Finance, insurance, and real estate	4,634	100.0	4.7	20.0	22.9	44.6	2.0	.2	.2	1.3	--	4.0	--
Services	22,235	100.0	38.0	7.4	.7	18.5	5.5	2.4	.8	2.0	3.3	21.3	--
Private households	934	100.0	1.2	--	--	1.3	.5	.2	.3	12.7	79.7	4.2	--
Other service industries	21,301	100.0	40.0	7.8	.7	19.2	5.7	2.5	.8	1.5	--	22.1	--
Public administration	4,240	100.0	19.5	13.8	.1	34.6	6.1	.8	.7	3.0	--	21.4	--
BLACK AND OTHER													
Agriculture	251	100.0	.4	.4	--	.4	1.2	.4	1.2	11.6	--	--	84.5
Mining	32	100.0	(1)	--	--	(1)	(1)	(1)	(1)	(1)	--	(1)	--
Construction	436	100.0	2.5	3.2	--	3.0	47.1	4.1	5.7	31.7	--	2.5	--
Manufacturing	2,271	100.0	5.0	1.4	.9	7.5	14.0	52.2	5.4	9.9	--	3.7	--
Durable goods	1,291	100.0	5.3	1.2	.2	7.0	16.8	48.6	5.8	11.2	--	3.7	--
Nondurable goods	980	100.0	4.6	1.7	1.7	8.1	10.3	56.9	4.9	8.1	--	3.7	--
Transportation and public utilities	701	100.0	3.7	3.6	.4	23.8	13.7	3.4	29.1	16.4	--	5.8	--
Wholesale and retail trade	1,424	100.0	1.2	12.1	13.2	15.8	5.4	7.4	6.7	10.3	--	27.9	--
Wholesale trade	259	100.0	2.3	10.8	8.5	20.5	8.9	10.0	18.9	16.2	--	3.9	--
Retail trade	1,165	100.0	.9	12.4	14.2	14.8	4.6	6.8	3.9	9.0	--	33.3	--
Finance, insurance, and real estate	404	100.0	5.2	10.4	9.7	53.7	3.0	.2	1.0	2.0	--	14.9	--
Services	3,562	100.0	24.6	3.7	.2	13.0	3.1	3.6	1.0	3.0	11.6	36.1	--
Private households	472	100.0	.6	--	--	.2	.2	--	.6	7.2	87.5	3.6	--
Other service industries	3,090	100.0	28.3	4.3	.2	15.0	3.6	4.1	1.1	2.3	--	41.1	--
Public administration	731	100.0	11.8	6.6	--	44.2	6.6	1.6	2.5	5.9	--	20.9	--

¹ Percent not shown where base is less than 35,000.

**HOUSEHOLD DATA
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29. Employed persons in nonagricultural industries by sex, age, and race

(Percent distribution)

Age, sex, and race	1977									
	Mining	Construction	Manufacturing			Transportation and public utilities	Wholesale and retail trade	Finance, insurance, and real estate	Service industries ¹	Public administration
			Total	Durable goods	Non-durable goods					
TOTAL										
Total, 16 years and over (in thousands)	814	5,504	20,637	12,274	8,363	5,833	18,706	5,038	24,391	4,972
Percent	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
16 to 19 years	3.7	7.1	5.1	4.3	6.1	3.1	17.6	5.2	6.3	2.5
20 years and over	96.3	92.9	94.9	95.7	93.9	96.9	82.4	94.8	93.7	97.5
20 to 24 years	15.4	15.7	13.8	13.7	14.0	11.5	17.0	15.7	14.0	9.5
25 years and over	80.9	77.3	81.1	81.9	79.9	85.4	65.4	79.0	79.7	88.0
25 to 54 years	67.5	64.0	66.7	67.7	65.2	71.9	51.8	63.7	64.3	72.1
55 years and over	13.4	13.3	14.4	14.2	14.7	13.5	13.5	15.3	15.3	15.8
Males, 16 years and over	91.5	93.6	70.2	76.6	60.7	77.7	55.7	45.9	41.2	67.1
16 to 19 years	3.2	6.7	3.3	3.1	3.6	2.3	9.2	1.2	2.7	1.1
20 years and over	88.5	87.0	66.8	73.5	57.0	75.3	46.5	44.7	38.5	65.9
20 to 24 years	13.9	14.7	9.2	10.0	8.0	8.0	9.3	4.3	5.0	4.7
25 years and over	74.6	72.3	57.7	63.6	49.0	67.4	37.2	40.4	33.5	61.2
25 to 54 years	62.0	59.8	47.3	52.3	40.1	55.9	29.6	30.9	26.5	50.0
55 years and over	12.5	12.4	10.4	11.3	9.0	11.5	7.6	9.5	7.0	11.2
Females, 16 years and over	8.5	6.4	29.8	23.4	39.3	22.3	44.3	54.1	58.8	32.9
16 to 19 years .....	.5	.4	1.7	1.2	2.5	.8	8.4	4.0	3.7	1.4
20 years and over	8.0	5.9	28.1	22.1	36.8	21.5	35.9	50.0	55.1	31.5
20 to 24 years	1.6	1.0	4.7	3.8	6.0	3.5	7.7	10.4	9.0	4.7
25 years and over	6.4	5.0	23.4	18.4	30.8	18.0	28.2	38.6	46.2	26.7
25 to 54 years	5.5	4.1	19.4	15.5	25.1	15.9	22.2	32.8	37.8	22.1
55 years and over .....	.9	.8	4.1	2.9	5.7	2.1	5.9	5.8	8.3	4.6
White										
Males, 16 years and over	88.3	86.0	63.0	68.9	54.3	68.5	51.2	42.4	36.6	58.3
16 to 19 years	3.2	6.4	3.0	2.7	3.3	2.1	8.6	1.0	2.4	.9
20 years and over	85.2	79.6	60.0	66.0	51.0	66.4	42.6	41.4	34.3	57.4
20 to 24 years	13.5	13.6	8.1	8.9	7.0	6.9	8.5	3.9	4.4	4.1
25 years and over	71.6	66.0	51.8	57.1	44.1	59.5	34.2	37.6	29.9	53.3
25 to 54 years	59.5	54.6	42.2	46.6	35.7	49.2	27.1	28.6	23.6	43.4
55 years and over	12.2	11.4	9.7	10.5	8.4	10.3	7.1	8.9	6.2	9.9
Females, 16 years and over	7.9	6.1	26.0	20.6	33.9	19.5	41.2	49.5	50.7	27.0
16 to 19 years .....	.5	.4	1.6	1.1	2.3	.8	7.9	3.7	3.3	1.1
20 years and over	7.4	5.7	24.4	19.5	31.6	18.7	33.2	45.8	47.4	25.9
20 to 24 years	1.4	.9	4.0	3.3	4.9	2.9	7.1	10.2	8.0	3.9
25 years and over	6.0	4.8	20.4	16.2	26.7	15.9	26.1	35.6	39.4	22.0
25 to 54 years	5.2	4.0	16.6	13.4	21.3	13.9	20.4	30.1	32.0	17.8
55 years and over .....	.9	.8	3.8	2.8	5.4	2.0	5.7	5.6	7.4	4.2
Black and other										
Males, 16 years and over	3.2	7.6	7.2	7.7	6.3	9.2	4.5	3.5	4.6	8.8
16 to 19 years	--	.3	.3	.3	.3	.3	.6	.2	.3	.3
20 years and over	3.2	7.4	6.9	7.5	6.0	8.9	3.9	3.4	4.3	8.6
20 to 24 years .....	.4	1.1	1.0	1.1	1.0	1.0	.8	.5	.6	.7
25 years and over	2.8	6.2	5.8	6.4	5.0	7.9	3.0	2.9	3.6	7.9
25 to 54 years	2.5	5.2	5.1	5.7	4.4	6.7	2.5	2.3	2.9	6.6
55 years and over .....	.4	1.0	.7	.8	.6	1.1	.5	.6	.7	1.3
Females, 16 years and over .....	.6	.3	3.8	2.8	5.4	2.8	3.1	4.5	8.1	5.9
16 to 19 years	--	--	.1	.1	.2	.1	.5	.3	.4	.3
20 years and over .....	.6	.2	3.7	2.7	5.2	2.8	2.7	4.2	7.7	5.6
20 to 24 years	--	--	.7	.5	1.1	.6	.6	1.2	1.0	.8
25 years and over .....	.3	.2	3.0	2.2	4.1	2.2	2.0	3.0	6.8	4.7
25 to 54 years .....	.3	.2	2.8	2.1	3.8	2.1	1.8	2.8	5.8	4.3
55 years and over	--	--	.2	.1	.4	.1	.2	.2	.9	.4

¹ Excludes private households.

HOUSEHOLD DATA ANNUAL AVERAGES

30. Employed persons by detailed industry, sex, and race, 1977

[Percent distribution]

Industries	Total employed	Percent distribution		Industries	Total employed	Percent distribution	
		Females	Black and other			Females	Black and other
Total employed (thousands)	90,546	40.5	10.8	Nondurable goods industries—Continued			
Agriculture, forestry, and fisheries	3,383	18.5	7.8	Tobacco manufactures	71	40.8	29.6
Agricultural production	2,796	17.9	7.4	Textile mill products	906	47.9	16.3
Agricultural services, except horticultural	236	36.4	6.8	Knitting mills	198	68.2	8.0
Horticultural services	212	8.5	13.2	Yarn, thread, and fabric mills	541	42.3	21.3
Forestry	75	20.0	9.3	Miscellaneous textile mill products	68	33.8	11.8
Fisheries	65	9.2	9.2	Apparel and other finished textile products	1,257	78.5	17.2
Mining	814	8.5	3.9	Apparel and accessories	1,087	80.3	16.7
Metal mining	106	8.5	.9	Miscellaneous fabricated textile products	169	67.5	19.5
Coal mining	223	2.2	1.8	Paper and allied products	694	21.9	8.5
Crude petroleum and natural gas extraction	379	12.9	4.5	Pulp, paper, and paperboard mills	262	9.9	6.5
Nonmetallic mining and quarrying, except fuel	107	5.6	9.3	Miscellaneous paper and pulp products	228	33.8	9.6
Construction	5,504	6.4	7.9	Paperboard containers and boxes	204	24.5	9.8
General building contractors	1,620	6.1	7.3	Printing, publishing and allied industries	1,327	38.0	6.3
General contractors, except building	1,070	6.4	9.7	Newspaper publishing and printing	470	34.9	4.5
Special trade contractors	2,560	6.1	7.1	Printing, publishing, and allied industries, except newspapers	856	39.7	7.4
Manufacturing	20,637	29.8	11.0	Chemicals and allied products	1,132	24.2	10.8
Durable goods	12,274	23.4	10.5	Industrial chemicals	421	15.2	10.7
Lumber and wood products, except furniture	718	10.0	17.3	Plastics, synthetics and resins, except fibers	82	15.9	6.1
Logging	195	1.5	26.2	Synthetic fibers	67	26.9	9.0
Saw mills, planing mills, and mill work	402	10.2	13.9	Drugs and medicines	200	40.5	10.5
Miscellaneous wood products	121	23.1	14.0	Soaps and cosmetics	133	43.6	15.3
Furniture and fixtures	510	27.8	8.8	Paints, varnishes, and related products	66	18.2	10.6
Stone, clay, and glass products	673	21.4	12.0	Agricultural chemicals	62	14.5	17.7
Glass and glass products	219	35.6	14.2	Miscellaneous chemicals	100	19.0	8.0
Cement, concrete, gypsum, and plaster products	229	7.0	11.8	Petroleum and coal products	230	14.8	7.8
Miscellaneous nonmetallic mineral and stone products	156	21.2	9.6	Petroleum refining	200	14.5	7.5
Primary metal industries	1,290	10.3	12.6	Rubber and miscellaneous plastic products	690	32.9	9.3
Blast furnaces, steel rolling, and finishing mills	510	7.5	12.0	Rubber products	326	26.1	8.9
Other primary iron and steel industries	353	9.9	16.7	Miscellaneous plastic products	364	38.7	9.6
Primary aluminum industries	202	11.9	9.9	Leather and leather products	275	58.5	9.8
Other primary nonferrous industries	225	16.4	9.8	Footwear, except rubber	196	63.8	7.7
Fabricated metal products	1,416	21.1	9.1	Leather products, except footwear	54	59.2	13.0
Cutlery, hand tools, and other hardware	163	35.0	11.0	Transportation, communication, and other public utilities	5,833	22.3	12.0
Fabricated structural metal products	504	14.7	7.9	Transportation	3,376	17.3	12.4
Screw machine products	104	25.0	6.7	Railroads and railway express	581	6.9	9.3
Metal stamping	175	26.9	8.6	Street railways and bus lines	499	33.3	19.2
Miscellaneous fabricated metal products	469	20.3	10.0	Taxicab service	104	8.7	25.0
Machinery, except electrical	2,315	18.6	6.7	Trucking service	1,249	8.7	10.6
Engines and turbines	107	17.6	9.3	Warehousing and storage	149	20.2	10.1
Farm machinery and equipment	189	15.3	9.0	Water transportation	187	11.8	17.1
Construction and material handling machines	361	11.0	6.6	Air transportation	435	28.7	10.6
Metalworking machinery	343	16.3	4.1	Services incidental to transportation	162	52.5	9.8
Office and accounting machines	100	31.0	8.0	Communication	1,191	45.4	10.8
Electronic computing equipment	266	29.7	9.4	Radio broadcasting and television	160	28.8	9.4
Machinery, except electrical, n.e.c.	946	18.7	6.0	Telephone (wire and radio)	988	49.0	11.3
Electrical machinery, equipment, and supplies	2,026	41.4	9.8	Telegraph and miscellaneous communication services	43	25.6	4.7
Household appliances	178	33.1	10.1	Utilities and sanitary services	1,266	14.0	12.1
Radio, T.V., and communication equipment	549	38.6	10.2	Electric light and power	475	16.4	7.8
Electrical machinery, equipment, and supplies, n.e.c.	1,292	43.4	9.4	Electric-gas utilities	178	14.0	9.0
Transportation equipment	2,123	14.5	13.9	Gas and steam supply systems	177	16.9	7.3
Motor vehicles and motor vehicle equipment	1,175	15.2	14.8	Water supply	163	14.7	12.9
Aircraft and parts	486	17.7	7.8	Sanitary services	225	4.4	27.6
Ship and boat building and repairing	310	6.5	23.2	Wholesale and retail trade	18,706	44.3	7.6
Mobile dwellings and campers	83	12.0	4.8	Wholesale trade	3,597	23.6	7.2
Professional and photographic equipment and watches	520	42.3	7.1	Motor vehicles and equipment	274	22.6	5.8
Scientific and controlling instruments	157	35.0	6.4	Drugs, chemicals, and allied products	201	29.4	7.5
Optical and health services supplies	209	54.1	6.2	Dry goods and apparel	93	35.5	9.7
Photographic equipment and supplies	125	27.2	7.2	Food and related products	526	20.2	9.7
Ordnance	164	20.1	6.1	Farm products—raw materials	128	19.5	5.5
Miscellaneous manufacturing industries	518	47.9	10.6	Electrical goods	223	23.8	5.8
Nondurable goods industries	8,363	39.3	11.7	Hardware, plumbing, and heating supplies	163	19.0	6.1
Food and kindred products	1,764	27.3	12.4	Machinery, equipment, and supplies	780	24.5	4.7
Meat products	318	31.8	15.5	Metals and minerals, n.e.c.	117	18.8	6.0
Dairy products	192	16.1	6.3	Petroleum products	169	17.8	3.6
Canning and preserving fruits, vegetables and seafood	262	44.3	9.5	Scrap and waste materials	131	12.2	16.0
Grain-mill products	140	16.4	8.6	Alcoholic beverages	102	14.7	6.9
Bakery products	273	23.4	11.0	Paper and its products	99	32.3	7.1
Confectionary and related products	85	54.1	21.2	Lumber and construction materials	136	19.1	7.4
Beverage industries	246	13.4	14.6	Wholesalers, n.e.c.	446	32.3	9.4
Miscellaneous food preparation and kindred products	183	26.2	13.7	Retail trade	15,109	49.2	7.7
				Lumber and building material, retailing	424	19.8	6.1
				Hardware and farm equipment stores	293	23.5	1.7
				Department and mail order establishments	1,975	67.5	8.8

**HOUSEHOLD DATA
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30. Employed persons by detailed industry, sex, and race, 1977—Continued

[Percent distribution]

Industries	Total employed	Percent distribution		Industries	Total employed	Percent distribution	
		Females	Black and other			Females	Black and other
Wholesale and retail trade—Continued				Service industries—Continued			
Retail trade—Continued				Business and repair services—Continued			
Limited price variety stores	194	76.8	8.8	Automobile services, except repair	189	22.2	14.8
Vending machine operators	59	30.5	8.5	Automobile repair and related services	605	7.8	9.3
Direct selling establishments	353	77.1	5.1	Electrical repair shops	161	13.7	6.8
Miscellaneous general merchandise store	226	71.7	9.7	Miscellaneous repair services	341	15.2	5.3
Grocery stores	1,980	42.0	8.4	Personal services	3,826	73.6	21.8
Dairy products stores	51	64.7	5.9	Private households	1,406	86.1	33.6
Retail bakeries	123	67.5	3.3	Hotels and motels	653	59.7	22.7
Food stores, n.e.c.	162	51.2	10.5	Lodging places, except hotels and motels	415	81.4	8.2
Motor vehicle dealers	926	14.9	5.2	Laundrying, cleaning, and other garment services	380	62.1	23.2
Tire, battery, and accessory dealers	305	18.0	4.9	Beauty shops	536	87.7	8.8
Gasoline service stations	673	10.7	6.1	Barber shops	117	10.3	14.5
Miscellaneous vehicle dealers	134	19.4	.7	Dressmaking shops	50	98.0	10.0
Apparel and accessory stores, except shoe stores	664	73.9	7.2	Miscellaneous personal services	244	43.8	9.4
Shoe stores	140	41.2	6.4	Entertainment and recreation services	968	36.4	10.1
Furniture and home furnishing stores	428	32.5	5.8	Theaters and motion pictures	322	31.7	9.3
Household appliances, T.V., and radio stores	264	24.6	3.8	Bowling alleys, billiard and pool parlors	63	28.6	11.1
Eating and drinking places	3,746	60.4	11.0	Miscellaneous entertainment and recreation services	583	39.8	10.6
Drug stores	468	60.5	4.1	Professional and related services	17,644	64.5	13.1
Liquor stores	132	28.0	10.6	Offices of physicians	677	66.9	5.8
Farm and garden supply stores	150	25.3	4.0	Offices of dentists	321	69.5	4.0
Jewelry stores	139	58.3	5.0	Hospitals	3,645	76.0	18.9
Fuel and ice dealers	106	18.9	3.8	Convalescent institutions	949	86.7	17.7
Retail florists	142	62.0	5.0	Offices of health practitioners, n.e.c.	75	54.7	1.3
Miscellaneous retail stores	840	54.5	4.8	Health services, n.e.c.	632	63.9	13.4
Finance, insurance, and real estate	5,038	54.1	8.0	Legal services	614	47.1	3.1
Banking	1,380	69.1	9.9	Elementary and secondary schools	5,106	70.6	12.8
Credit agencies	426	60.8	6.3	Colleges and universities	2,016	47.9	12.5
Security, commodity brokerage, and investment companies	255	34.9	4.7	Libraries	151	80.8	12.6
Insurance	1,630	50.0	7.8	Educational services, n.e.c.	306	66.0	7.8
Real estate, including real estate-insurance laws offices	1,347	42.7	7.6	Museums, art galleries, and zoos	68	37.8	5.9
Service industries	30,629	56.1	14.0	Religious organizations	651	41.5	8.8
Business and repair services	3,219	30.8	9.5	Welfare services	678	72.3	23.9
Advertising	163	40.5	3.7	Residential welfare facilities	100	62.0	15.0
Services to dwellings and other buildings	306	35.9	21.9	Nonprofit membership organizations	470	53.2	9.4
Commercial research, development, and testing labs	148	30.4	8.8	Engineering and architectural services	425	16.7	6.8
Employment and temporary help agencies	164	72.6	8.5	Accounting, auditing, and bookkeeping	381	42.8	3.7
Business management and consulting services	226	50.9	4.9	Miscellaneous professional and related services	348	39.7	6.3
Computer programming services	136	33.8	8.8	Public administration	4,972	32.9	14.7
Detective and protective services	195	13.3	16.9	Postal service	682	21.6	19.6
Business services, n.e.c.	586	51.4	6.5	Federal public administration	1,622	76.4	17.3
				State public administration	839	40.0	10.6
				Local public administration	1,829	30.8	12.4

NOTE: N.E.C. is an abbreviation for "not elsewhere classified" and designates broad categories of industries which cannot be more specifically identified.

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31. Employed persons with a job but not at work by reason, pay status, and sex

(In thousands)

Reason not working	All industries		Nonagricultural industries					
			Total		Wage and salary workers ¹			
					Paid absences ²		Unpaid absences ²	
	1976	1977	1976	1977	1976	1977	1976	1977
Total	5,307	5,450	5,164	5,303	2,570	2,655	2,134	2,143
Vacation	2,898	2,913	2,858	2,874	1,899	1,942	799	769
Illness	1,387	1,410	1,345	1,374	529	545	702	702
Bad weather	99	236	76	199	--	--	--	--
Industrial dispute	115	119	115	119	--	--	--	--
All other reasons	808	772	770	737	142	168	633	672
Males	2,854	2,987	2,730	2,856	1,549	1,611	905	945
Vacation	1,501	1,530	1,466	1,497	1,131	1,168	245	235
Illness	791	826	753	796	332	350	358	369
All other reasons ³	563	631	510	564	86	93	302	341
Females	2,453	2,463	2,434	2,447	1,022	1,045	1,228	1,199
Vacation	1,398	1,383	1,392	1,378	768	775	553	535
Illness	596	584	592	578	198	195	344	334
All other reasons ³	459	495	450	491	56	75	331	331

¹ Excludes private household.

³ Includes bad weather and industrial dispute, not shown separately.

² Pay status not available separately for bad weather and industrial dispute; these categories are included in all other reasons.

32. Persons at work by type of industry and hours of work

Hours of work	1977					
	Thousands of persons			Percent distribution		
	All industries	Nonagricultural industries	Agriculture	All industries	Nonagricultural industries	Agriculture
Total at work	85,095	81,999	3,096	100.0	100.0	100.0
1-34 hours	21,204	20,256	947	24.9	24.7	30.6
1-4 hours	779	735	44	.9	.9	1.4
5-14 hours	3,985	3,765	220	4.7	4.6	7.1
15-29 hours	10,306	9,810	496	12.1	12.0	16.0
30-34 hours	6,134	5,946	187	7.2	7.3	6.0
35 hours and over	63,892	61,742	2,149	75.1	75.3	69.4
35-39 hours	5,916	5,773	144	7.0	7.0	4.7
40 hours	34,981	34,512	468	41.1	42.1	15.1
41 hours and over	22,995	21,457	1,537	27.0	26.2	49.6
41 to 48 hours	9,109	8,875	234	10.7	10.8	7.6
49 to 59 hours	7,706	7,318	387	9.1	8.9	12.5
60 hours and over	6,180	5,264	916	7.3	6.4	29.6
Average hours, total at work	38.8	38.5	45.1	--	--	--
Average hours, workers on full-time schedules	43.1	42.8	53.6	--	--	--

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33. Persons at work 1 - 34 hours by usual status and reason for working less than 35 hours

[Numbers in thousands]

Reason for working less than 35 hours	1977					
	All industries			Nonagricultural industries		
	Total	Usually work full time	Usually work part time	Total	Usually work full time	Usually work part time
Total	21,204	7,102	14,102	20,256	6,777	13,479
Economic reasons	3,530	1,385	2,145	3,297	1,257	2,040
Slack work	1,604	998	606	1,434	883	551
Material shortages or repairs to plant and equipment	88	88	--	85	85	--
New job started during week	216	216	--	211	211	--
Job terminated during week	84	84	--	79	79	--
Could find only part-time work	1,539	--	1,539	1,489	--	1,489
Other reasons	17,673	5,716	11,957	16,960	5,521	11,439
Does not want, or unavailable for, full-time work	9,883	--	9,883	9,479	--	9,479
Vacation	830	830	--	817	817	--
Illness	1,761	1,567	194	1,710	1,541	169
Bad weather	969	969	--	860	860	--
Industrial dispute	42	42	--	42	42	--
Legal or religious holiday	859	859	--	857	857	--
Full time for this job	1,359	--	1,359	1,321	--	1,321
All other reasons	1,971	1,450	521	1,872	1,403	469
Average hours:						
Economic reasons	22.3	26.4	19.6	21.3	24.0	19.7
Other reasons	21.0	25.9	18.5	21.2	26.6	18.6
Worked 30 to 34 hours:						
Economic reasons	1,007	564	443	953	528	425
Other reasons	5,127	3,138	1,989	4,993	3,073	1,920

34. Nonagricultural workers by industry and full- or part-time status

[Numbers in thousands]

Industry	1977								
	Total at work	Full- or part-time status						Average hours, total at work	Average hours, workers on full-time schedules
		On part time for economic reasons	On voluntary part time	On full-time schedules					
				Total	40 hours or less	41 to 48 hours	49 hours or more		
Total¹	81,999	3,297	11,439	67,263	45,806	8,875	12,582	38.5	42.8
Wage and salary workers	75,941	2,982	10,332	62,627	43,870	8,307	10,450	38.3	42.3
Construction	4,292	281	203	3,808	2,830	428	550	38.8	41.2
Manufacturing	19,057	514	609	17,934	12,426	2,872	2,636	40.9	42.1
Durable goods	11,302	194	248	10,860	7,463	1,758	1,639	41.5	42.3
Nondurable goods	7,755	320	361	7,074	4,963	1,114	997	40.1	42.0
Transportation and public utilities	5,208	136	324	4,748	3,332	571	845	41.0	43.0
Wholesale and retail trade	15,961	914	3,843	11,204	6,911	1,873	2,420	36.5	43.5
Finance, insurance, and real estate	4,459	74	448	3,937	2,940	401	596	38.9	41.5
Service industries	21,533	992	4,639	15,902	11,624	1,636	2,642	35.8	41.9
Private households	1,311	213	697	401	274	41	86	22.7	43.7
All other industries	20,222	779	3,942	15,501	11,350	1,595	2,556	36.6	41.9
Public administration	4,715	57	250	4,408	3,419	424	565	40.1	41.6
Self-employed workers	5,566	301	919	4,346	1,792	534	2,020	42.3	49.2
Unpaid family workers	492	13	188	291	144	35	112	37.3	47.9

¹Includes mining not shown separately.

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35 . Persons at work in nonagricultural industries by full- or part-time status, sex, age, race, and marital status

[Numbers in thousands]

Sex, age, race, and marital status	1977							
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules			Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 hours or more		
TOTAL								
Both sexes, 16 years and over	81,999	3,297	11,439	67,263	45,806	21,457	38.5	42.8
16 to 21 years	11,646	979	4,023	6,644	5,069	1,575	31.0	40.9
16 to 19 years	6,975	671	3,186	3,118	2,414	704	27.7	40.5
16 to 17 years	2,775	249	1,942	584	466	118	21.1	39.6
18 to 19 years	4,200	423	1,245	2,532	1,947	585	32.0	40.7
20 years and over	75,024	2,625	8,253	64,146	43,393	20,753	39.5	42.9
20 to 24 years	11,939	674	1,595	9,670	7,048	2,622	37.5	41.6
25 years and over	63,084	1,950	6,658	54,476	36,344	18,132	40.0	43.2
25 to 44 years	36,777	1,148	3,322	32,307	21,184	11,123	40.5	43.3
45 to 64 years	24,106	716	2,265	21,125	14,453	6,672	40.1	42.9
65 years and over	2,201	87	1,071	1,043	707	336	29.1	43.1
Males, 16 years and over	48,365	1,535	3,583	43,247	26,292	16,955	41.6	44.2
16 to 21 years	6,136	489	1,915	3,732	2,614	1,118	32.6	41.9
16 to 19 years	3,677	344	1,550	1,783	1,296	487	29.2	41.3
16 to 17 years	1,486	138	980	368	287	81	22.7	40.0
18 to 19 years	2,191	205	570	1,416	1,010	406	33.6	41.7
20 years and over	44,689	1,192	2,033	41,464	24,997	16,467	42.6	44.4
20 to 24 years	6,454	325	664	5,465	3,530	1,935	39.5	43.0
25 years and over	38,235	867	1,370	39,998	21,464	14,534	44.4	44.6
25 to 44 years	22,295	520	427	21,348	12,381	8,967	43.8	44.8
45 to 64 years	14,633	301	373	13,959	8,633	5,326	43.2	44.2
65 years and over	1,306	47	570	689	450	239	30.6	43.1
Females, 16 years and over	33,633	1,762	7,856	24,015	19,513	4,502	34.2	40.2
16 to 21 years	5,510	489	2,109	2,912	2,454	458	29.1	39.5
16 to 19 years	3,299	327	1,637	1,335	1,119	216	26.0	39.3
16 to 17 years	1,289	111	962	216	179	37	19.4	38.7
18 to 19 years	2,010	217	675	1,118	938	180	30.3	39.4
20 years and over	30,335	1,434	6,220	22,681	18,395	4,286	35.1	40.2
20 to 24 years	5,485	350	931	4,204	3,516	688	35.1	39.7
25 years and over	24,849	1,086	5,289	18,474	19,876	3,598	35.0	40.4
25 to 44 years	14,482	628	2,895	10,959	8,803	2,156	35.3	40.2
45 to 64 years	9,473	415	1,893	7,165	5,818	1,347	35.5	40.3
65 years and over	895	41	501	353	256	97	26.8	43.2
RACE								
White	73,047	2,732	10,443	59,872	39,783	20,089	38.7	43.0
Males	43,590	1,283	3,244	39,063	23,117	15,946	41.9	44.5
Females	29,458	1,449	7,199	20,810	16,667	4,143	34.1	40.3
Black and other	8,951	565	996	7,390	6,021	1,369	37.0	40.8
Males	4,776	252	339	4,185	3,175	1,010	39.0	41.8
Females	4,176	313	658	3,205	2,847	358	34.8	39.4
MARITAL STATUS								
Males:								
Married, spouse present	34,445	694	1,116	32,635	19,141	13,494	43.4	44.7
Widowed, divorced, or separated	3,423	148	178	3,097	1,927	1,170	41.6	44.0
Single (never married)	10,497	694	2,289	7,514	5,222	2,292	35.6	42.5
Females:								
Married, spouse present	18,944	844	4,571	13,529	11,081	2,448	34.2	40.0
Widowed, divorced, or separated	6,297	358	964	4,975	3,908	1,067	36.3	40.6
Single (never married)	8,392	560	2,321	5,511	4,525	986	32.5	40.1

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36 . Persons at work in nonfarm occupations by full- or part-time status and sex

[Numbers in thousands]

Occupational group and sex	1977								
	Total at work	On part time for economic reasons	On voluntary part time	On full-time schedules				Average hours, total at work	Average hours, workers on full-time schedules
				Total	40 hours or less	41 to 48 hours	49 hours or more		
TOTAL									
White-collar workers	42,519	994	5,939	35,586	23,714	4,265	7,607	39.2	43.2
Professional and technical	12,631	242	1,475	10,914	7,157	1,312	2,445	39.8	43.2
Managers and administrators, except farm	9,179	81	427	8,671	4,100	1,260	3,311	45.8	47.3
Sales workers	5,427	226	1,316	3,885	2,315	525	1,045	36.9	44.0
Clerical workers	15,283	445	2,721	12,117	10,142	1,168	807	35.7	39.9
Blue-collar workers	28,271	1,406	1,913	24,952	17,003	3,856	4,093	39.8	42.5
Craft and kindred workers	11,131	407	389	10,335	6,800	1,651	1,884	41.3	42.8
Operatives, except transport	9,677	493	542	8,642	6,282	1,326	1,034	39.5	41.6
Transport equipment operatives	3,220	138	258	2,824	1,561	456	807	42.2	45.3
Nonfarm laborers	4,243	368	723	3,152	2,363	422	367	35.1	41.0
Service workers	11,667	933	3,676	7,058	5,273	794	991	32.8	42.1
Private household	1,101	167	588	346	238	35	73	23.2	43.4
Other service workers	10,566	766	3,088	6,712	5,035	759	918	33.8	42.0
Males									
White-collar workers	20,914	273	1,320	19,321	10,480	2,685	6,156	43.6	45.7
Professional and technical	7,418	98	459	6,861	4,075	851	1,935	42.8	44.8
Managers and administrators, except farm	7,151	56	184	6,911	2,961	1,017	2,933	47.3	48.2
Sales workers	3,127	58	350	2,719	1,406	406	907	42.0	45.5
Clerical workers	3,218	60	326	2,832	2,038	412	382	39.1	41.9
Blue-collar workers	23,297	1,049	1,369	20,879	13,685	3,344	3,850	40.6	43.0
Craft and kindred workers	10,574	382	307	9,885	6,464	1,583	1,838	41.5	42.9
Operatives, except transport	5,870	211	284	5,375	3,573	931	871	41.1	42.9
Transport equipment operatives	3,011	123	159	2,729	1,493	442	794	43.1	45.5
Nonfarm laborers	3,843	334	618	2,891	2,156	387	348	35.4	41.1
Service workers	4,488	239	934	3,315	2,264	422	629	37.1	43.8
Private household	35	5	16	14	8	2	4	25.8	48.1
Other service workers	4,454	235	918	3,301	2,257	420	624	37.2	43.7
Females									
White-collar workers	21,606	722	4,619	4,335	1,325	1,580	1,450	35.0	40.2
Professional and technical	5,213	143	1,015	4,055	3,085	462	510	35.6	40.6
Managers and administrators, except farm	2,028	24	242	1,762	1,141	243	378	40.5	43.6
Sales workers	2,300	168	966	1,166	910	119	137	30.0	40.6
Clerical workers	12,065	386	2,395	9,284	8,104	756	424	34.8	39.2
Blue-collar workers	4,974	356	544	4,074	3,320	512	242	36.4	39.8
Craft and kindred workers	557	26	82	449	335	68	46	37.0	41.0
Operatives, except transport	3,807	282	258	3,267	2,708	396	163	37.1	39.5
Transport equipment operatives	210	15	99	96	68	13	15	29.1	41.6
Nonfarm laborers	400	33	105	262	208	35	19	32.8	40.1
Service workers	7,178	694	2,742	3,742	3,006	373	363	30.0	40.6
Private household	1,067	163	572	332	230	33	69	23.1	43.2
Other service workers	6,112	532	2,170	3,410	2,777	339	294	31.2	40.4

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37. Employment status of 14-15 year-olds by sex and race

[Numbers in thousands]

Employment status	1977								
	Total			White			Black and other		
	Both sexes	Males	Females	Both sexes	Males	Females	Both sexes	Males	Females
Civilian noninstitutional population	8,294	4,220	4,073	6,979	3,560	3,419	1,314	660	655
Civilian labor force	1,733	972	761	1,592	889	703	141	83	58
Employed	1,474	813	660	1,392	761	630	82	52	30
Agriculture	191	151	40	180	142	37	12	9	5
Nonagricultural industries	1,282	662	620	1,212	619	593	70	43	27
Unemployed	260	159	101	201	128	73	59	31	28
Unemployment rate	15.0	16.4	13.3	12.6	14.4	10.4	41.8	37.4	48.3
Not in labor force	6,560	3,248	3,312	5,387	2,671	2,715	1,173	577	596
Keeping house	117	12	105	94	9	84	23	2	21
Going to school	5,212	2,623	2,589	4,268	2,153	2,115	944	470	474
Unable to work	9	6	3	8	6	2	1	--	1
All other reasons	1,222	608	615	1,017	503	514	206	105	101

38. Employed 14-15 year-olds by sex, class of worker, and occupation

Characteristics	1977					
	Thousands of persons			Percent distribution		
	Both sexes	Males	Females	Both sexes	Males	Females
CLASS OF WORKER						
Total	1,473	813	660	100.0	100.0	100.0
Nonagricultural industries	1,282	662	620	87.0	81.4	93.9
Wage and salary workers	1,178	582	596	80.0	71.6	90.3
Private household workers	507	123	384	34.4	15.1	58.1
Government workers	72	49	24	4.9	6.0	3.6
Other wage and salary workers	598	410	189	40.6	50.4	28.6
Self-employed workers	89	70	20	6.1	8.6	3.0
Unpaid family workers	15	10	4	1.0	1.2	.6
Agriculture	191	151	40	13.0	18.6	6.1
Wage and salary workers	111	86	25	7.5	10.6	3.8
Self-employed workers	16	15	1	1.1	1.9	.2
Unpaid family workers	64	50	14	4.4	6.2	2.1
OCCUPATION						
Total	1,474	813	660	100.0	100.0	100.0
White-collar workers	310	218	92	21.0	26.8	13.9
Professional and technical	11	6	5	.7	.7	.8
Managers and administrators, except farm	2	2	1	.1	.3	.2
Sales workers	234	185	49	15.9	22.7	7.4
Clerical workers	62	26	37	4.2	3.2	5.6
Blue-collar workers	305	277	28	20.7	34.0	4.2
Craft and kindred workers	22	21	1	1.5	2.6	.2
Operatives, except transport	46	39	7	3.1	4.8	1.1
Transport equipment operatives	5	4	1	.3	.5	.2
Nonfarm laborers	232	213	20	15.8	26.1	3.0
Service workers	691	187	504	46.9	23.0	76.4
Private household workers	408	29	379	27.7	3.6	57.4
Other service workers	283	159	125	19.2	19.5	18.9
Farm workers	167	131	36	11.4	16.2	5.3
Farmers and farm managers	4	4	--	.3	.5	--
Farm laborers and supervisors	163	128	35	11.1	15.7	5.6

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39. Job desire of persons not in labor force and reasons for not seeking work by age and sex

[In thousands]

Reasons for not seeking work	Total		Age in years								
			16-19		20-24		25-59		60 and over		
	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	
TOTAL											
Total not in labor force	59,130	59,025	7,455	7,218	4,714	4,626	23,197	22,910	23,764	24,270	
Do not want a job now	53,984	53,340	6,005	5,674	3,927	3,747	20,790	20,248	23,260	23,672	
Current activity:											
Going to school	6,386	6,203	4,406	4,212	1,450	1,438	516	535	13	18	
Ill, disabled	4,713	4,547	50	41	124	122	2,300	2,209	2,240	2,177	
Keeping house	30,763	30,230	615	591	1,955	1,812	16,168	15,651	12,025	12,176	
Retired	8,596	8,966	--	--	--	--	171	195	8,425	8,769	
Other	3,526	3,394	937	830	396	375	1,638	1,658	555	532	
Want a job now	5,141	5,942	1,450	1,624	788	940	2,407	2,726	500	652	
Reason not looking:											
School attendance	1,441	1,534	1,048	1,085	248	274	145	173	2	3	
Ill health, disability	648	753	21	21	49	46	443	511	135	174	
Home responsibilities	1,171	1,253	82	101	209	236	842	878	38	38	
Think cannot get job	910	1,010	141	158	121	137	454	500	196	214	
Job-market factors	643	693	101	107	98	109	364	385	80	93	
Personal factors	267	316	39	52	22	27	89	115	114	122	
Other reasons ¹	971	1,392	158	259	161	247	523	664	129	223	
Males											
Total not in labor force	16,341	16,514	3,307	3,182	1,330	1,319	2,998	3,059	8,707	8,954	
Do not want a job now	14,745	14,769	2,636	2,466	1,085	1,040	2,566	2,580	8,462	8,684	
Current activity:											
Going to school	3,207	3,077	2,142	2,019	787	789	276	268	2	2	
Ill, disabled	2,588	2,520	29	23	66	60	1,283	1,265	1,210	1,173	
Keeping house	221	264	12	15	5	4	54	57	150	190	
Retired	6,816	7,076	--	--	--	--	148	176	6,666	6,900	
Other	1,913	1,832	454	409	223	187	801	816	434	419	
Want a job now	1,596	1,744	671	717	245	280	432	474	245	268	
Reason not looking:											
School attendance	722	768	527	551	136	147	57	69	2	--	
Ill health, disability	280	322	11	8	20	24	174	211	74	78	
Think cannot get job	321	317	68	69	45	47	108	94	100	106	
Other reasons ¹	273	337	65	89	44	62	93	100	69	84	
Females											
Total not in labor force	42,789	42,510	4,148	4,036	3,385	3,307	20,199	19,851	15,057	15,316	
Do not want a job now	39,236	38,573	3,369	3,208	2,843	2,706	18,225	17,669	14,799	14,987	
Current activity:											
Going to school	3,177	3,126	2,263	2,193	663	650	240	267	11	15	
Ill, disabled	2,126	2,028	20	19	58	61	1,015	944	1,030	1,005	
Keeping house	30,542	29,966	602	575	1,950	1,808	16,113	15,596	11,876	11,986	
Retired	1,780	1,891	--	--	--	--	22	21	1,759	1,869	
Other	1,612	1,562	483	421	172	187	836	841	122	112	
Want a job now	3,548	3,929	779	828	542	600	1,973	2,181	254	320	
Reason not looking:											
School attendance	720	766	521	534	112	126	86	104	--	3	
Ill health, disability	368	431	10	12	29	22	269	300	61	96	
Home responsibilities	1,171	1,253	82	101	209	236	842	878	38	38	
Think cannot get job	590	694	73	90	75	91	346	405	95	108	
Other reasons ¹	699	785	93	91	117	125	430	494	60	75	

¹ Includes small number of men not looking for work because of "home responsibilities."

NOTE: Detail in tables 39, 40, and 42 may not add to not-in-labor-force totals because of differences in the weighting patterns used in aggregating these data.

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40. Job desire of persons not in labor force and reasons for not seeking work by age, race, and sex

[In thousands]

Reasons for not seeking work	Total		Age in years						Males		Females	
			16-24		25-59		60 and over		1976	1977	1976	1977
	1976	1977	1976	1977	1976	1977	1976	1977				
WHITE												
Total not in labor force	51,692	51,488	9,779	9,450	20,361	20,062	21,553	21,976	13,916	14,057	37,776	37,431
Do not want a job now	47,754	47,178	8,139	7,704	18,488	18,004	21,125	21,471	12,699	12,718	35,055	34,460
Current activity:												
Going to school	5,175	4,988	4,742	4,545	423	426	13	15	2,619	2,477	2,556	2,511
Ill, disabled	3,778	3,687	139	128	1,784	1,760	1,857	1,799	2,094	2,076	1,684	1,611
Keeping house	28,044	27,513	2,209	2,067	14,757	14,259	11,080	11,189	192	221	27,852	27,292
Retired	7,832	8,164	--	--	157	185	7,675	7,980	6,231	6,452	1,601	1,712
Other	2,925	2,826	1,051	964	1,374	1,374	500	488	1,563	1,492	1,362	1,334
Want a job now	3,938	4,309	1,639	1,748	1,873	2,060	428	505	1,217	1,339	2,721	2,970
Reason not looking:												
School attendance	1,084	1,140	977	1,020	105	118	2	3	554	582	530	558
Ill health, disability	455	565	45	55	306	372	103	138	207	250	248	315
Home responsibilities ¹	896	970	193	214	672	727	31	30	--	--	896	970
Think cannot get job	683	716	171	185	339	348	173	184	232	232	451	484
Other reasons	820	918	253	274	451	495	119	150	224	275	596	643
BLACK AND OTHER												
Total not in labor force	7,433	7,537	2,391	2,395	2,836	2,848	2,207	2,294	2,425	2,458	5,008	5,079
Do not want a job now	6,230	6,160	1,779	1,715	2,307	2,248	2,132	2,200	2,047	2,050	4,183	4,110
Current activity:												
Going to school	1,209	1,213	1,115	1,104	95	108	1	--	588	599	621	614
Ill, disabled	937	861	36	36	517	449	382	377	494	445	443	416
Keeping house	2,719	2,717	361	336	1,414	1,394	947	989	29	43	2,690	2,674
Retired	764	802	--	--	13	12	751	789	585	624	179	178
Other	600	567	282	239	265	285	54	45	350	339	250	228
Want a job now	1,203	1,363	600	679	529	598	75	83	378	405	825	958
Reason not looking:												
School attendance	358	395	319	340	37	55	--	--	168	187	190	208
Ill health, disability	192	187	25	12	136	139	33	36	73	71	119	116
Home responsibilities ¹	275	283	100	123	168	152	7	7	--	--	275	283
Think cannot get job	227	294	90	110	115	153	23	31	89	85	138	209
Other reasons	151	204	66	94	73	99	12	9	48	62	103	142

¹ Small number of men not looking for work because of "home responsibilities" are included in "other reasons."

41. Persons not in labor force who desire work but think they cannot get jobs by age, race, sex, and detailed reason

[In thousands]

1977

Detailed reason for not seeking work	Total	Age in years				Race	
		16-19	20-24	25-59	60 and over	White	Black and other
TOTAL							
Personal factors:							
Employers think too young or old	168	28	1	27	113	147	22
Lacks education or training	97	20	17	56	3	62	34
Other personal handicap	51	4	9	32	6	40	12
Job-market factors:							
Could not find job	408	76	82	213	38	239	170
Thinks no job available	285	31	27	172	55	229	57
Males							
Personal factors:							
Employers think too young or old	73	15	--	4	55	62	11
Lacks education or training	19	6	5	6	1	11	8
Other personal handicap	20	2	4	11	4	17	3
Job-market factors:							
Could not find job	128	33	30	43	21	81	47
Thinks no job available	77	13	8	30	26	62	15
Females							
Personal factors:							
Employers think too young or old	95	14	21	23	57	85	11
Lacks education or training	78	14	12	50	2	52	26
Other personal handicap	31	3	6	22	2	23	9
Job-market factors:							
Could not find job	281	42	53	170	17	158	123
Thinks no job available	209	18	19	142	30	167	42

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42. Most recent work experience of persons not in labor force and reason for leaving last job for those who worked during previous 12 months by age, race, and sex

[Numbers in thousands]

Most recent work experience and reason for leaving job	Total		Age in years						White		Black and other	
			16-24		25-59		60 and over					
	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977
Total, not in labor force	59,130	59,025	12,169	11,844	23,197	22,910	23,764	24,270	51,692	51,488	7,433	7,537
Never worked	9,925	9,477	5,012	4,820	2,299	2,222	2,614	2,435	8,112	7,643	1,813	1,834
Last worked over 5 years ago	28,088	28,299	343	299	11,893	11,516	15,852	16,485	25,189	25,309	2,899	2,990
Last worked 1 to 5 years ago	11,427	11,312	2,048	1,880	5,505	5,519	3,874	3,914	10,000	9,930	1,428	1,383
Left job during previous 12 months	9,684	9,921	4,768	4,845	3,498	3,651	1,418	1,424	8,391	8,604	1,293	1,317
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	43.3	43.1	59.2	60.0	36.9	38.0	5.8	5.5	44.4	45.2	36.8	36.9
Ill health, disability	8.9	8.3	2.1	1.8	15.1	13.8	16.6	16.1	8.1	7.6	13.7	12.7
Retirement, old age	8.4	8.2	--	--	3.0	3.2	49.8	48.5	8.9	8.7	4.8	4.7
Economic reasons	20.8	20.7	19.4	18.9	23.5	23.8	18.8	19.1	19.9	20.1	26.4	24.7
End of seasonal job	8.9	8.7	9.8	9.3	8.5	8.1	7.1	8.2	8.5	8.3	11.7	11.2
Slack work	5.8	6.0	4.2	4.5	8.0	8.4	5.4	4.8	5.5	5.8	7.2	7.1
End of temporary job	6.1	6.0	5.5	5.1	7.0	7.3	6.2	6.0	5.9	6.0	7.5	6.3
All other reasons	18.6	18.8	19.3	19.3	21.5	21.2	9.0	10.8	18.7	18.4	18.3	21.0
Males, not in labor force	16,341	16,514	4,637	4,501	2,998	3,059	8,707	8,954	13,916	14,057	2,425	2,458
Never worked	2,222	2,065	1,948	1,816	224	208	50	42	1,649	1,488	573	577
Last worked over 5 years ago	6,622	6,938	37	41	1,018	1,064	5,567	5,832	5,792	6,049	830	889
Last worked 1 to 5 years ago	3,774	3,726	490	423	1,047	1,035	2,237	2,268	3,287	3,266	487	460
Left job during previous 12 months	3,723	3,782	2,161	2,222	709	749	853	812	3,188	3,253	535	529
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	37.4	38.2	57.1	58.0	19.2	18.4	2.5	2.3	37.9	38.9	34.6	33.5
Ill health, disability	11.2	10.4	2.3	1.8	31.2	30.2	17.0	15.6	10.5	9.9	15.3	13.6
Retirement, old age	14.4	14.2	--	--	8.3	10.5	55.7	56.3	15.4	15.1	7.9	8.5
Economic reasons	19.5	19.0	20.4	20.1	19.5	17.7	17.4	17.6	18.6	18.5	24.3	22.5
End of seasonal job	9.0	9.4	10.8	10.7	5.6	5.9	7.4	9.3	8.9	9.4	9.7	10.0
Slack work	5.7	5.2	4.5	4.7	10.3	8.0	5.0	4.1	5.4	4.9	7.9	6.8
End of temporary job	4.7	4.4	5.0	4.7	3.5	3.7	4.9	4.2	4.4	4.2	6.7	5.7
All other reasons	17.6	18.2	20.2	20.2	21.8	23.2	7.5	8.2	17.5	17.6	17.9	21.9
Females, not in labor force	42,789	42,510	7,533	7,343	20,199	19,851	15,057	15,316	37,776	37,431	5,008	5,079
Never worked	7,703	7,413	3,063	3,005	2,075	2,016	2,564	2,393	6,463	6,155	1,240	1,257
Last worked over 5 years ago	21,466	21,361	305	258	10,875	10,451	10,285	10,653	19,397	19,260	2,069	2,101
Last worked 1 to 5 years ago	7,654	7,587	1,559	1,457	4,458	4,483	1,638	1,646	6,713	6,664	941	923
Left job during previous 12 months	5,961	6,138	2,606	2,624	2,790	2,901	565	613	5,203	5,351	958	788
Percent distribution by reason	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
School, home responsibilities	47.1	47.7	61.0	61.6	41.4	43.1	11.0	9.8	48.3	48.9	38.4	39.2
Ill health, disability	7.4	7.0	1.8	1.9	11.0	9.6	15.9	16.9	6.7	6.3	12.5	12.1
Retirement, old age	4.6	4.4	--	--	1.7	1.3	40.5	38.3	4.9	4.8	2.6	2.2
Economic reasons	21.6	21.7	18.6	17.9	24.5	25.4	21.2	21.0	20.7	21.1	27.8	26.1
End of seasonal job	8.8	8.2	8.9	8.0	9.2	8.7	6.9	6.8	8.2	7.6	13.1	12.1
Slack work	5.8	6.5	4.0	4.4	7.4	8.5	6.0	5.9	5.6	6.4	6.7	7.4
End of temporary job	7.0	7.0	5.8	5.4	7.9	8.2	8.3	8.5	6.9	7.1	8.0	6.7
All other reasons	19.2	19.1	18.6	18.6	21.5	20.6	11.5	14.0	19.3	18.9	18.6	20.4

43. Work-seeking intentions of persons not in labor force and work history of those who intend to seek work within next 12 months by age, race, and sex

[In thousands]

Work-seeking intentions and work history	Total		Age in years						White		Black and other	
			16-24		25-59		60 and over					
	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977
Total	50,064	49,260	6,922	6,314	19,890	19,278	23,251	23,668	44,376	43,623	5,688	5,637
Intend to seek work in the next 12 months	9,060	9,750	5,247	5,531	3,305	3,628	508	592	7,314	7,863	1,745	1,887
Never worked	1,690	1,776	1,577	1,638	110	126	3	11	1,263	1,285	427	490
Last worked over 5 years ago	1,055	1,159	48	59	890	961	117	138	879	948	177	211
Last worked 1 to 5 years ago	2,064	2,099	773	758	1,094	1,129	197	213	1,604	1,637	460	463
Worked during previous 12 months	4,250	4,716	2,847	3,075	1,212	1,412	191	229	3,569	3,992	681	724
Males	13,124	13,068	2,288	2,018	2,395	2,401	8,440	8,647	11,312	11,247	1,813	1,821
Intend to seek work in the next 12 months	3,216	3,443	2,347	2,481	602	655	265	307	2,603	2,809	612	634
Never worked	685	706	667	685	18	18	--	3	508	511	177	195
Last worked over 5 years ago	120	137	11	12	66	75	44	51	92	98	28	39
Last worked 1 to 5 years ago	571	572	258	238	209	218	103	116	456	456	115	116
Worked during previous 12 months	1,840	2,028	1,411	1,547	311	346	119	136	1,548	1,743	292	285
Females	36,939	36,193	4,633	4,294	17,496	16,877	14,810	15,021	33,064	32,376	3,875	3,816
Intend to seek work in the next 12 months	5,844	6,307	2,899	3,048	2,702	2,973	242	285	4,711	5,054	1,133	1,253
Never worked	1,005	1,069	910	954	92	108	3	8	755	774	250	295
Last worked over 5 years ago	935	1,022	39	47	824	887	73	88	787	850	149	172
Last worked 1 to 5 years ago	1,494	1,527	515	521	884	912	95	95	1,148	1,181	345	347
Worked during previous 12 months	2,410	2,688	1,436	1,527	901	1,067	72	94	2,021	2,249	389	439

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44. Employment status of the civilian noninstitutional population and the white, black, and Hispanic origin components by sex and age

[Numbers in thousands]

Employment status	Total		White		Black ¹		Hispanic origin ²	
	1976	1977	1976	1977	1976	1977	1976	1977
TOTAL								
Civilian noninstitutional population	153,904	156,426	135,569	137,595	15,945	16,314	6,843	7,156
Civilian labor force	94,773	97,401	83,876	86,107	9,393	9,738	4,146	4,391
Percent of population	61.6	62.3	61.9	62.6	58.9	59.7	60.6	61.4
Employment	87,485	90,546	78,021	80,734	8,093	8,384	3,668	3,953
Agriculture	3,297	3,244	3,029	2,993	226	212	204	217
Nonagricultural industries	84,188	87,302	74,992	77,741	7,867	8,172	3,465	3,736
Unemployment	7,288	6,855	5,855	5,373	1,301	1,355	478	438
Unemployment rate	7.7	7.0	7.0	6.2	13.8	13.9	11.5	10.0
Not in labor force	59,130	59,025	51,692	51,488	6,552	6,576	2,697	2,765
Males, 20 years and over								
Civilian noninstitutional population	64,561	65,796	57,482	58,516	6,101	6,253	2,720	2,891
Civilian labor force	51,527	52,464	46,178	46,960	4,582	4,710	2,288	2,445
Percent of population	79.8	79.7	80.3	80.3	75.1	75.3	84.1	84.6
Employment	48,486	49,737	43,704	44,784	4,068	4,214	2,076	2,262
Agriculture	2,359	2,308	2,153	2,123	173	158	145	151
Nonagricultural industries	46,128	47,429	41,551	42,661	3,895	4,056	1,931	2,111
Unemployment	3,041	2,727	2,474	2,176	514	496	212	184
Unemployment rate	5.9	5.2	5.4	4.6	11.2	10.5	9.3	7.5
Not in labor force	13,034	13,332	11,304	11,556	1,519	1,543	432	446
Females, 20 years and over								
Civilian noninstitutional population	72,917	74,160	64,134	65,104	7,618	7,832	3,171	3,270
Civilian labor force	34,276	35,685	29,659	30,853	3,992	4,188	1,408	1,469
Percent of population	47.0	48.1	46.2	47.4	52.4	53.5	44.4	44.9
Employment	31,730	33,199	27,634	28,930	3,528	3,675	1,246	1,321
Agriculture	511	537	477	495	29	33	31	35
Nonagricultural industries	31,218	32,662	27,157	28,436	3,499	3,642	1,216	1,287
Unemployment	2,546	2,486	2,025	1,922	464	513	162	148
Unemployment rate	7.4	7.0	6.8	6.2	11.6	12.2	11.5	10.1
Not in labor force	38,641	38,474	34,475	34,251	3,626	3,644	1,763	1,801
Both sexes, 16-19 years								
Civilian noninstitutional population	16,426	16,470	13,952	13,975	2,227	2,230	952	994
Civilian labor force	8,970	9,252	8,039	8,295	820	841	450	476
Percent of population	54.6	56.2	57.6	59.4	36.8	37.7	47.3	47.9
Employment	7,269	7,610	6,683	7,020	497	495	346	370
Agriculture	427	399	399	375	24	21	28	31
Nonagricultural industries	6,842	7,211	6,284	6,644	473	474	318	339
Unemployment	1,701	1,642	1,356	1,275	323	346	104	106
Unemployment rate	19.0	17.7	16.9	15.4	39.3	41.1	23.1	22.3
Not in labor force	7,455	7,218	5,914	5,680	1,407	1,389	503	518

¹ According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.

means that they are also included in the data for white and black workers. At the time of the 1970 Census, approximately 96 percent of their population was white.

² Data on persons of Hispanic origin are tabulated separately, without regard to race, which

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45 . Employment status of male Vietnam-Era veterans and nonveterans by age and race

[Numbers in thousands]

Employment status	Total			White			Black and other		
	1975	1976	1977	1975	1976	1977	1975	1976	1977
VETERANS¹									
Total, 20 to 34 years:									
Civilian noninstitutional population	6,467	6,704	6,818	5,825	6,006	6,119	642	698	699
Civilian labor force	6,065	6,318	6,487	5,493	5,697	5,856	572	621	631
Employed	5,506	5,817	6,015	5,019	5,290	5,484	481	527	531
Unemployed	565	501	472	474	407	372	91	94	100
Unemployment rate	9.3	7.9	7.3	8.6	7.1	6.4	15.9	15.1	15.8
20 to 24 years									
Civilian noninstitutional population	1,175	1,086	1,041	1,014	914	867	161	172	174
Civilian labor force	1,019	941	927	893	810	782	126	131	145
Employed	817	777	777	730	681	674	87	96	103
Unemployed	202	164	150	163	129	108	39	35	42
Unemployment rate	19.8	17.4	16.2	18.3	15.9	13.8	31.0	26.7	29.0
25 to 29 years									
Civilian noninstitutional population	3,481	3,296	2,989	3,166	2,985	2,702	315	311	287
Civilian labor force	3,290	3,117	2,845	2,000	2,830	2,584	290	287	261
Employed	3,030	2,888	2,644	2,775	2,637	2,417	255	251	227
Unemployed	260	229	201	225	193	167	35	36	34
Unemployment rate	7.9	7.3	7.1	7.5	6.8	6.5	12.1	12.5	13.0
30 to 34 years									
Civilian noninstitutional population	1,811	2,322	2,788	1,645	2,107	2,550	166	215	238
Civilian labor force	1,756	2,260	2,715	1,600	2,057	2,490	156	203	225
Employed	1,652	2,152	2,594	1,514	1,972	2,393	139	180	201
Unemployed	103	108	121	86	85	97	17	23	24
Unemployment rate	5.9	4.8	4.5	5.4	4.1	3.9	10.9	11.3	10.7
NONVETERANS									
Total, 20 to 34 years:									
Civilian noninstitutional population	15,879	16,726	17,583	13,812	14,572	15,298	2,067	2,154	2,285
Civilian labor force	14,279	15,094	15,888	12,522	13,272	13,966	1,757	1,822	1,922
Employed	12,874	13,817	14,695	11,398	12,259	13,047	1,476	1,558	1,648
Unemployed	1,405	1,277	1,193	1,124	1,013	919	281	264	274
Unemployment rate	9.8	8.5	7.5	9.0	7.6	6.6	16.0	14.5	14.3
20 to 24 years									
Civilian noninstitutional population	7,572	7,909	8,156	6,626	6,923	7,136	946	986	1,020
Civilian labor force	6,379	6,725	6,950	5,638	5,948	6,162	741	777	788
Employed	5,522	5,966	6,254	4,940	5,342	5,626	582	624	628
Unemployed	857	759	696	698	606	536	159	153	160
Unemployment rate	13.4	11.3	10.0	12.4	10.2	8.7	21.5	19.7	20.3
25 to 29 years									
Civilian noninstitutional population	4,437	5,010	5,367	3,858	4,365	4,666	579	645	701
Civilian labor force	4,193	4,720	5,058	3,675	4,150	4,433	518	570	625
Employed	3,857	4,389	4,735	3,409	3,889	4,182	448	500	553
Unemployed	336	331	323	266	261	251	70	70	72
Unemployment rate	8.0	7.0	6.4	7.2	6.3	5.7	13.5	12.3	11.5
30 to 34 years									
Civilian noninstitutional population	3,870	3,807	4,060	3,328	3,234	3,496	542	523	564
Civilian labor force	3,707	3,649	3,880	3,209	3,174	3,371	498	475	509
Employed	3,495	3,462	3,706	3,049	3,028	3,239	446	434	467
Unemployed	212	187	174	160	146	132	52	41	42
Unemployment rate	5.7	5.1	4.5	5.0	4.6	3.9	10.4	8.6	8.3

¹ Vietnam-Era veterans are those who served between August 5, 1964, and May 7, 1975.

**HOUSEHOLD DATA
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46. Employment status of the population in metropolitan and nonmetropolitan areas by sex, age, and race

(Numbers in thousands)

Employment status	Metropolitan areas						Nonmetropolitan areas					
	Total		Central cities		Suburbs		Total		Farm		Nonfarm	
	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977
Total												
Civilian noninstitutional population	104,893	106,356	45,178	45,234	59,715	61,122	49,011	50,069	4,862	4,725	44,149	45,344
Civilian labor force	65,584	67,094	27,353	27,501	38,231	39,593	29,190	30,307	2,999	2,939	26,191	27,368
Percent of population	62.5	63.1	60.5	60.8	64.0	64.8	59.6	60.5	61.7	62.2	59.3	60.4
Employed	60,335	62,229	24,835	25,123	35,500	37,106	27,150	28,317	2,920	2,862	24,230	25,455
Unemployed	5,248	4,866	2,518	2,380	2,730	2,486	2,040	1,990	79	77	1,961	1,913
Unemployment rate	8.0	7.3	9.2	8.7	7.1	6.3	7.0	6.6	2.6	2.6	7.5	7.0
Not in labor force	39,309	39,262	17,825	17,732	21,484	21,530	19,821	19,762	1,863	1,785	17,958	17,977
Males, 20 years and over												
Civilian noninstitutional population	43,826	44,565	18,541	18,614	25,285	25,951	20,735	21,231	2,188	2,150	18,547	19,081
Civilian labor force	35,440	36,012	14,427	14,453	21,013	21,559	16,087	16,452	1,845	1,793	14,242	14,659
Percent of population	80.9	80.8	77.8	77.6	83.1	83.1	77.6	77.5	84.3	83.4	76.8	76.8
Employed	33,213	34,050	13,287	13,425	19,926	20,625	15,273	15,687	1,816	1,770	13,457	13,917
Unemployed	2,227	1,962	1,140	1,028	1,087	934	813	765	29	24	784	741
Unemployment rate	6.3	5.4	7.9	7.1	5.2	4.3	5.1	4.6	1.6	1.3	5.5	5.1
Not in labor force	8,386	8,553	4,114	4,160	4,272	4,393	4,649	4,779	343	356	4,306	4,423
Females, 20 years and over												
Civilian noninstitutional population	49,895	50,686	22,116	22,182	27,779	28,504	23,022	23,474	2,075	2,017	20,947	21,457
Civilian labor force	24,015	24,838	10,642	10,776	13,373	14,062	10,261	10,848	835	831	9,426	10,017
Percent of population	48.1	49.0	48.1	48.6	48.1	49.3	44.6	46.2	40.2	41.2	45.0	46.7
Employed	22,216	23,085	9,797	9,942	12,419	13,143	9,513	10,113	805	799	8,708	9,314
Unemployed	1,799	1,752	843	833	956	919	748	734	30	32	718	702
Unemployment rate	7.5	7.1	7.9	7.7	7.1	6.5	7.3	6.8	3.6	3.8	7.6	7.0
Not in labor force	25,880	25,848	11,475	11,407	14,405	14,441	12,761	12,626	1,240	1,186	11,521	11,440
Both sexes, 16-19 years												
Civilian noninstitutional population	11,172	11,106	4,521	4,438	6,651	6,668	5,253	5,364	600	558	4,653	4,806
Civilian labor force	6,128	6,245	2,285	2,273	3,843	3,972	2,842	3,007	320	315	2,522	2,692
Percent of population	54.9	56.2	50.5	51.2	57.8	59.6	54.1	56.1	53.3	56.4	54.2	56.0
Employed	4,906	5,094	1,751	1,756	3,155	3,338	2,363	2,516	300	293	2,063	2,223
Unemployed	1,222	1,151	535	517	687	634	479	491	20	22	459	469
Unemployment rate	19.9	18.4	23.4	22.7	17.9	16.0	16.8	16.3	6.3	6.9	18.2	17.4
Not in labor force	5,044	4,861	2,236	2,165	2,808	2,696	2,411	2,357	280	243	2,131	2,114
White												
Civilian noninstitutional population	90,814	91,944	34,855	34,774	55,959	57,170	44,755	45,651	4,559	4,447	40,196	41,204
Civilian labor force	57,091	58,344	21,321	21,354	35,770	36,990	26,785	27,763	2,841	2,789	23,944	24,974
Percent of population	62.9	63.5	61.2	61.4	63.9	64.7	59.8	60.8	62.3	62.7	59.6	60.6
Employed	52,971	54,652	19,642	19,866	33,329	34,786	25,050	26,082	2,771	2,721	22,279	23,361
Unemployed	4,120	3,692	1,680	1,488	2,440	2,204	1,735	1,682	69	67	1,666	1,615
Unemployment rate	7.2	6.3	7.9	7.0	6.8	6.0	6.5	6.1	2.4	2.4	7.0	6.5
Not in labor force	33,723	33,600	13,534	13,421	20,189	20,179	17,969	17,887	1,718	1,659	16,251	16,228
Black and other												
Civilian noninstitutional population	14,079	14,412	10,322	10,459	3,757	3,953	4,256	4,419	303	277	3,953	4,142
Civilian labor force	8,492	8,750	6,033	6,148	2,459	2,602	2,405	2,544	159	151	2,246	2,393
Percent of population	60.3	60.7	58.4	58.8	65.5	65.8	56.5	57.6	52.3	54.4	56.8	57.8
Employed	7,364	7,577	5,193	5,257	2,171	2,320	2,100	2,235	149	141	1,951	2,094
Unemployed	1,129	1,174	840	892	289	282	304	308	10	10	294	298
Unemployment rate	13.3	13.4	13.9	14.5	11.8	10.8	12.7	12.1	6.1	6.6	13.1	12.5
Not in labor force	5,586	5,662	4,290	4,312	1,296	1,350	1,852	1,875	145	126	1,707	1,749

**HOUSEHOLD DATA
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47. Employment status of the population in poverty and nonpoverty areas by race

(Number in thousands)

Employment status	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977
Total												
Civilian noninstitutional population	29,083	29,087	124,821	127,338	11,634	11,530	93,258	94,826	17,448	17,557	31,563	32,512
Civilian labor force	15,821	16,049	78,952	81,352	6,078	6,111	59,506	60,983	9,743	9,938	19,446	20,369
Percent of population	54.4	55.2	63.3	63.9	52.2	53.0	63.8	64.3	55.8	56.6	61.6	62.7
Employed	14,308	14,575	73,177	75,970	5,258	5,293	55,077	56,935	9,050	9,282	18,100	19,035
Unemployed	1,513	1,474	5,775	5,382	820	818	4,428	4,047	693	656	1,346	1,334
Unemployment rate	9.6	9.2	7.3	6.6	13.5	13.4	7.4	6.6	7.1	6.6	6.9	6.5
Not in labor force	13,261	13,038	45,869	45,986	5,557	5,419	33,753	33,844	7,705	7,619	12,116	12,143
White												
Civilian noninstitutional population	20,479	20,479	115,090	117,116	5,983	5,939	84,831	86,005	14,496	14,539	30,259	31,111
Civilian labor force	11,378	11,545	72,498	74,562	3,211	3,247	53,881	55,097	8,168	8,298	18,617	19,465
Percent of population	55.6	56.4	63.0	63.7	53.7	54.7	63.5	64.1	56.3	57.1	61.5	62.6
Employed	10,541	10,772	67,480	69,962	2,874	2,933	50,097	51,719	7,667	7,839	17,383	18,243
Unemployed	837	774	5,018	4,600	337	314	3,783	3,378	501	459	1,235	1,222
Unemployment rate	7.4	6.7	6.9	6.2	10.5	9.7	7.0	6.1	6.1	5.5	6.6	6.3
Not in labor force	9,100	8,933	42,592	42,554	2,772	2,692	30,950	30,908	6,328	6,241	11,641	11,646
Black and other												
Civilian noninstitutional population	8,604	8,609	9,731	10,222	5,651	5,591	8,427	8,822	2,952	3,018	1,304	1,401
Civilian labor force	4,443	4,504	6,454	6,790	2,867	2,864	5,625	5,886	1,576	1,640	829	904
Percent of population	51.6	52.3	66.3	66.4	50.7	51.2	66.7	66.7	53.4	54.3	63.6	64.5
Employed	3,767	3,803	5,697	6,008	2,384	2,360	4,980	5,216	1,383	1,443	717	792
Unemployed	676	700	757	782	483	504	645	670	192	196	112	112
Unemployment rate	15.2	15.5	11.7	11.5	16.9	17.6	11.5	11.4	12.2	12.0	13.5	12.4
Not in labor force	4,161	4,105	3,277	3,432	2,784	2,727	2,802	2,935	1,377	1,378	475	497

48. Unemployment rates for selected labor force groups in poverty and nonpoverty areas by sex, age, and race

Sex, age, and race	Total United States				Metropolitan areas				Nonmetropolitan areas			
	Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas		Poverty areas		Nonpoverty areas	
	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977	1976	1977
Total												
Both sexes, 16 years and over	9.6	9.2	7.3	6.6	13.5	13.4	7.4	6.6	7.1	6.6	6.9	6.5
Males, 20 years and over	7.5	7.0	5.6	4.8	11.9	11.5	5.7	4.9	4.8	4.4	5.2	4.8
Females, 20 years and over	8.9	8.9	7.1	6.6	10.9	11.5	7.1	6.6	7.6	7.1	7.2	6.6
Both sexes, 16-19 years	24.1	22.7	17.9	16.8	33.2	32.1	18.6	17.1	18.6	17.3	16.0	15.9
White												
Both sexes, 16 years and over	7.4	6.7	6.9	6.2	10.5	9.7	7.0	6.1	6.1	5.5	6.6	6.3
Males, 20 years and over	5.8	5.2	5.3	4.5	9.4	8.8	5.4	4.5	4.4	3.8	5.0	4.6
Females, 20 years and over	7.2	6.7	6.8	6.2	9.1	8.8	6.7	6.1	6.4	5.9	6.9	6.3
Both sexes, 16-19 years	17.6	15.8	16.8	15.3	22.9	19.0	17.3	15.4	15.7	14.7	15.3	15.0
Black and other												
Both sexes, 16 years and over	15.2	15.5	11.7	11.5	16.9	17.6	11.5	11.4	12.2	12.0	13.5	12.4
Males, 20 years and over	12.4	12.4	9.4	8.4	15.1	15.1	9.2	8.4	7.7	8.0	10.5	8.1
Females, 20 years and over	12.6	13.6	10.4	10.5	12.6	14.1	10.1	10.3	12.7	12.7	12.8	11.5
Both sexes, 16-19 years	40.0	40.2	34.5	36.8	43.3	45.4	35.2	37.3	33.8	30.7	30.8	34.7

**HOUSEHOLD DATA
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49. Unemployed persons by family relationship and presence of employed family members

(Numbers in thousands)

Family relationship	1976				1977			
	Total	Percent of unemployed:			Total	Percent of unemployed:		
		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time		With no employed person in family	With at least one employed person in family	With at least one person in family employed full time
TOTAL								
Unemployed, total	7,288	39.2	60.8	54.0	6,855	39.1	60.9	54.5
Unemployed, in families ¹	6,328	29.9	70.1	62.2	5,934	29.6	70.4	63.0
Husbands ²	1,689	50.5	49.5	38.1	1,437	51.6	48.4	37.4
Wives	1,485	16.4	83.6	77.9	1,402	14.7	85.3	79.9
Relatives in husband-wife families	1,991	9.9	90.1	85.1	1,926	11.1	88.9	84.7
Women who head families	420	81.7	18.3	11.9	413	80.6	19.4	12.1
Relatives of female heads	743	34.7	65.3	53.0	756	34.7	65.3	52.8
Unemployed, not in families ³	960	--	--	--	921	--	--	--
White								
Unemployed, total	5,855	37.7	62.3	55.6	5,373	37.4	62.6	56.4
Unemployed, in families ¹	5,086	28.3	71.7	64.1	4,635	27.4	72.6	65.4
Husbands ²	1,439	51.1	48.9	37.4	1,218	51.9	48.1	36.9
Wives	1,268	16.0	84.0	78.5	1,185	13.9	86.1	81.2
Relatives in husband-wife families	1,676	9.1	90.9	86.1	1,557	10.1	89.9	86.2
Women who head families	260	76.9	23.1	14.6	244	73.0	27.0	16.4
Relatives of female heads	443	33.0	67.0	54.9	431	32.0	68.0	55.2
Unemployed, not in families ³	769	--	--	--	738	--	--	--
Black⁴								
Unemployed, total	1,301	45.9	54.1	48.9	1,355	45.1	54.9	47.5
Unemployed, in families ¹	1,129	37.6	62.4	54.0	1,194	37.7	62.3	53.9
Husbands ²	219	47.9	52.1	41.1	188	49.5	50.5	39.9
Wives	188	17.6	82.4	75.0	192	18.2	81.8	73.4
Relatives in husband-wife families	281	13.9	86.1	80.1	334	15.3	84.7	78.4
Women who head families	154	89.6	10.4	7.1	163	92.0	8.0	6.1
Relatives of female heads	287	38.3	61.7	49.8	317	38.2	61.8	49.2
Unemployed, not in families ³	172	--	--	--	161	--	--	--

¹ In primary families only.

² Includes a small number of single, separated, widowed, or divorced men who head families.

³ Includes unrelated individuals and persons in secondary families.

⁴ According to the 1970 Census, black workers comprised about 89 percent of the "black and other" population group.

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50. Employed persons by family relationship and presence of additional employed family members

(Numbers in thousands)

Family relationship	1976				1977			
	Total	Percent of employed:			Total	Percent of employed:		
		With no other employed person in family	With another employed person in family	With another person in family employed full time		With no other employed person in family	With another employed person in family	With another person in family employed full time
TOTAL								
Employed, total	87,485	38.7	61.3	52.2	90,546	38.1	61.9	52.8
Employed, in families ¹	76,857	30.2	69.8	59.4	78,823	28.9	71.1	60.7
Husbands ²	38,638	44.0	56.0	40.6	38,976	42.5	57.5	42.0
Wives	20,090	9.8	90.2	85.7	20,745	9.2	90.8	86.3
Relatives in husband-wife families	11,499	6.7	93.3	89.4	11,969	6.3	93.7	90.1
Women who head families	3,770	68.4	31.6	22.0	4,009	67.0	33.0	23.0
Relatives of female heads	2,860	30.2	69.8	59.1	3,124	28.7	71.3	60.3
Employed, not in families ³	10,628	--	--	--	11,723	--	--	--
White								
Employed, total	78,021	38.4	61.6	52.3	80,734	37.8	62.2	53.0
Employed, in families ¹	68,716	30.0	70.0	59.4	70,461	28.7	71.3	60.8
Husbands ²	35,275	44.5	55.5	39.7	35,566	43.0	57.0	41.1
Wives	17,974	9.4	90.6	86.3	18,591	8.7	91.3	86.8
Relatives in husband-wife families	10,458	6.5	93.5	89.9	10,929	6.1	93.9	90.4
Women who head families	2,809	66.7	33.3	22.8	2,962	64.9	35.1	24.2
Relatives of female heads	2,200	30.8	69.2	59.1	2,413	28.7	71.3	60.7
Employed, not in families ³	9,305	--	--	--	10,273	--	--	--
Black⁴								
Employed, total	8,093	41.7	58.3	50.4	8,384	42.1	57.9	50.4
Employed, in families ¹	6,993	32.5	67.5	58.4	7,166	32.3	67.7	59.0
Husbands ²	2,853	37.9	62.1	50.1	2,887	37.3	62.7	51.1
Wives	1,792	13.9	86.1	80.1	1,810	13.0	87.0	81.6
Relatives in husband-wife families	830	10.1	89.9	83.6	826	8.6	91.4	86.0
Women who head families	910	74.4	25.6	18.7	991	74.3	25.7	19.1
Relatives of female heads	608	29.8	70.2	58.1	652	29.9	70.1	57.7
Employed, not in families ³	1,100	--	--	--	1,218	--	--	--

¹ See footnote 1, table 49.

² See footnote 2, table 49.

³ See footnote 3, table 49.

⁴ See footnote 4, table 49.

**ESTABLISHMENT DATA
ANNUAL AVERAGES**

1. Employees on nonagricultural payrolls, by industry and major manufacturing group

[In thousands]

Industry	1974	1975	1976	1977 ^P	Change from	
					1975-76	1976-77 ^P
TOTAL	78,413	77,051	79,443	82,140	2,392	2,697
GOODS-PRODUCING	24,697	22,603	23,332	24,232	729	900
MINING	694	745	783	831	38	48
CONTRACT CONSTRUCTION	3,957	3,512	3,594	3,845	82	251
MANUFACTURING	20,046	18,347	18,956	19,555	609	599
DURABLE GOODS	11,895	10,679	11,026	11,480	347	454
Ordnance and accessories	176.5	170.6	158.3	154.8	-12.3	-3.5
Lumber and wood products	626.2	556.9	605.6	642.3	48.7	36.7
Furniture and fixtures	516.7	450.7	489.5	509.9	38.8	20.4
Stone, clay, and glass products	690.2	613.5	626.2	652.2	12.7	26.0
Primary metal industries	1,343.5	1,179.7	1,190.0	1,204.1	10.3	14.1
Fabricated metal products	1,505.3	1,335.8	1,387.1	1,451.6	51.3	64.5
Machinery, except electrical	2,217.8	2,068.8	2,074.3	2,187.0	5.5	112.7
Electrical equipment and supplies	2,030.2	1,760.6	1,831.6	1,935.5	71.0	103.9
Transportation equipment	1,821.1	1,649.1	1,733.0	1,797.0	83.9	64.0
Instruments and related products	519.5	488.8	509.4	527.2	20.6	17.8
Miscellaneous manufacturing industries	447.6	404.4	420.9	418.5	16.5	-2.4
NONDURABLE GOODS	8,151	7,668	7,930	8,075	262	145
Food and kindred products	1,712.5	1,676.4	1,709.5	1,719.9	33.1	10.4
Tobacco manufactures	79.5	78.3	76.4	69.8	-1.9	-6.6
Textile mill products	988.1	901.5	966.2	981.9	64.7	15.7
Apparel and other textile products	1,347.7	1,235.1	1,299.2	1,288.7	64.1	-10.5
Paper and allied products	701.8	642.7	676.0	698.9	33.3	22.9
Printing and publishing	1,112.3	1,079.3	1,080.0	1,109.4	.7	29.4
Chemicals and allied products	1,056.6	1,012.5	1,033.6	1,057.6	21.1	24.0
Petroleum and coal products	198.6	197.4	202.8	209.4	5.4	6.6
Rubber and plastics products, nec	675.9	587.6	614.2	675.4	26.6	61.2
Leather and leather products	277.9	256.8	271.5	264.3	14.7	-7.2
SERVICE-PRODUCING	53,715	54,448	56,111	57,909	1,663	1,798
TRANSPORTATION AND PUBLIC UTILITIES	4,696	4,498	4,509	4,590	11	81
WHOLESALE AND RETAIL TRADE	17,017	17,000	17,694	18,281	694	587
WHOLESALE TRADE	4,223	4,177	4,263	4,389	86	126
RETAIL TRADE	12,794	12,824	13,431	13,892	607	461
FINANCE, INSURANCE, AND REAL ESTATE	4,208	4,223	4,316	4,509	93	193
SERVICES	13,617	14,006	14,644	15,334	638	690
GOVERNMENT	14,177	14,720	14,948	15,195	228	247
FEDERAL	2,724	2,748	2,733	2,727	-15	-6
STATE AND LOCAL	11,453	11,973	12,215	12,468	242	253

p=preliminary.

**ESTABLISHMENT DATA
ANNUAL AVERAGES**

**2. Production or nonsupervisory workers¹ on private nonagricultural payrolls,
by industry division and major manufacturing group**

[In thousands]

Industry	1974	1975	1976	1977 ^P	Change from	
					1975-76	1976-77 ^P
TOTAL PRIVATE	53,029	51,149	53,054	54,930	1,905	1,876
MINING	527	565	593	623	28	30
CONTRACT CONSTRUCTION	3,234	2,805	2,849	3,057	44	208
MANUFACTURING	14,613	13,070	13,625	14,067	555	442
DURABLE GOODS	8,641	7,543	7,866	8,220	323	354
Ordnance and accessories	84.9	79.7	71.5	70.5	-8.2	-1.0
Lumber and wood products	533.2	463.8	507.8	546.8	44.0	39.0
Furniture and fixtures	423.1	364.3	401.9	419.0	37.6	17.1
Stone, clay, and glass products	552.4	484.5	498.4	519.3	13.9	20.9
Primary metal industries	1,074.1	919.0	932.8	942.0	13.8	9.2
Fabricated metal products	1,150.0	996.0	1,045.6	1,100.2	49.6	54.6
Machinery, except electrical	1,494.7	1,346.0	1,339.3	1,420.5	-6.7	81.2
Electrical equipment and supplies	1,372.2	1,139.7	1,210.4	1,286.5	70.7	76.1
Transportation equipment	1,284.6	1,147.9	1,226.2	1,273.7	78.3	47.5
Instruments and related products	321.8	293.0	310.1	322.6	17.1	12.5
Miscellaneous manufacturing industries	350.2	308.7	321.9	319.1	13.2	-2.8
NONDURABLE GOODS	5,972	5,528	5,759	5,847	231	88
Food and kindred products	1,164.4	1,136.0	1,163.9	1,166.2	27.9	2.3
Tobacco manufactures	65.8	64.8	63.3	56.3	-1.5	-7.0
Textile mill products	862.4	782.1	843.5	856.0	61.4	12.5
Apparel and other textile products	1,163.0	1,061.3	1,117.3	1,104.6	56.0	-12.7
Paper and allied products	539.6	482.6	512.1	525.1	29.5	13.0
Printing and publishing	670.7	636.3	630.0	639.5	-6.3	9.5
Chemicals and allied products	611.8	569.8	589.1	606.6	19.3	17.5
Petroleum and coal products	126.2	124.9	131.4	137.2	6.5	5.8
Rubber and plastics products, nec	530.4	450.4	474.7	529.3	24.3	54.6
Leather and leather products	237.4	219.4	233.7	226.0	14.3	-7.7
TRANSPORTATION AND PUBLIC UTILITIES	4,058	3,857	3,862	3,902	5	40
WHOLESALE AND RETAIL TRADE	15,065	15,013	15,641	16,121	628	480
WHOLESALE TRADE	3,526	3,462	3,529	3,624	67	95
RETAIL TRADE	11,540	11,552	12,113	12,497	561	384
FINANCE, INSURANCE, AND REAL ESTATE	3,240	3,221	3,293	3,434	72	141
SERVICES	12,293	12,617	13,191	13,728	574	537

¹ For coverage of series, see footnote 1, table B-2 (page 77).

p=preliminary.

**ESTABLISHMENT DATA
ANNUAL AVERAGES**

**3. Gross hours and earnings of production or nonsupervisory workers¹ on private nonagricultural payrolls,
by industry division and major manufacturing group**

Industry	Average weekly hours				Average hourly earnings				Average weekly earnings			
	1974	1975	1976	1977 ^P	1974	1975	1976	1977 ^P	1974	1975	1976	1977 ^P
TOTAL PRIVATE	36.6	36.1	36.2	36.1	\$4.22	\$4.54	\$4.87	\$5.24	\$154.45	\$163.89	\$176.29	\$189.16
MINING	42.4	42.3	42.8	44.1	5.21	5.90	6.42	6.87	220.90	249.57	274.78	302.97
CONTRACT CONSTRUCTION ...	36.9	36.6	37.1	36.8	6.75	7.25	7.68	8.04	249.08	265.35	284.93	295.87
MANUFACTURING	40.0	39.4	40.0	40.3	4.41	4.81	5.19	5.63	176.40	189.51	207.60	226.89
<i>Overtime hours</i>	3.2	2.6	3.1	3.4	-	-	-	-	-	-	-	-
DURABLE GOODS	40.7	39.9	40.6	40.9	4.69	5.14	5.55	6.01	190.88	205.09	225.33	245.81
<i>Overtime hours</i>	3.4	2.5	3.1	3.6	-	-	-	-	-	-	-	-
Ordnance and accessories	41.7	41.3	40.7	40.7	4.71	5.23	5.72	6.24	196.41	216.00	232.80	253.97
Lumber and wood products	39.7	39.1	40.2	40.1	3.91	4.28	4.71	5.06	155.23	167.35	189.34	202.91
Furniture and fixtures	39.0	37.9	38.7	38.8	3.50	3.75	3.98	4.30	136.50	142.13	154.03	166.84
Stone, clay, and glass products	41.4	40.6	41.2	41.3	4.52	4.89	5.29	5.76	187.13	198.53	217.95	237.89
Primary metal industries	41.7	40.0	40.6	41.1	5.60	6.17	6.80	7.45	233.52	246.80	276.08	306.20
Fabricated metal products	40.8	40.0	40.7	40.9	4.59	5.04	5.43	5.83	187.27	201.60	221.00	238.45
Machinery, except electrical	42.3	40.9	41.1	41.6	4.92	5.36	5.76	6.20	208.12	219.22	236.74	257.92
Electrical equipment and supplies	39.8	39.5	40.0	40.2	4.17	4.58	4.91	5.33	165.97	180.91	196.40	214.27
Transportation equipment	40.1	40.3	41.6	42.2	5.48	6.02	6.54	7.17	219.75	242.61	272.06	302.57
Instruments and related products	40.2	39.5	40.4	40.4	4.20	4.56	4.87	5.20	168.84	180.12	196.75	210.08
Miscellaneous manufacturing industries	38.5	38.3	38.7	39.0	3.50	3.79	4.01	4.33	134.75	145.16	155.19	168.87
NONDURABLE GOODS	39.1	38.8	39.3	39.4	3.99	4.35	4.68	5.07	156.01	168.78	183.92	199.76
<i>Overtime hours</i>	3.0	2.7	3.0	3.1	-	-	-	-	-	-	-	-
Food and kindred products	40.4	40.3	40.3	39.8	4.16	4.57	4.96	5.34	168.06	184.17	199.89	212.53
Tobacco manufactures	38.0	38.0	37.8	38.2	4.10	4.51	4.91	5.50	155.80	171.38	185.60	210.10
Textile mill products	39.4	39.2	40.1	40.4	3.19	3.40	3.67	3.97	125.69	133.28	147.17	160.39
Apparel and other textile products	35.1	35.1	35.6	35.4	2.99	3.19	3.41	3.62	104.95	111.97	121.40	128.15
Paper and allied products	42.1	41.6	42.4	42.8	4.51	4.99	5.43	5.92	189.87	207.58	230.23	253.38
Printing and publishing	37.6	37.0	37.5	37.8	4.97	5.36	5.69	6.09	186.87	198.32	213.38	230.20
Chemicals and allied products	41.6	40.9	41.6	41.7	4.85	5.37	5.89	6.39	201.76	219.63	245.02	266.46
Petroleum and coal products	42.5	41.6	42.2	42.9	5.61	6.42	7.14	7.72	238.43	267.07	301.31	331.19
Rubber and plastics products, nec ..	40.4	39.7	40.7	41.0	4.03	4.35	4.62	5.12	162.81	172.70	188.03	209.92
Leather and leather products	37.2	37.4	37.3	37.0	3.01	3.23	3.44	3.64	111.97	120.80	128.31	134.68
TRANSPORTATION AND PUBLIC UTILITIES	40.2	39.6	39.9	40.0	5.43	5.92	6.46	6.94	218.29	234.43	257.75	277.60
WHOLESALE AND RETAIL TRADE	34.1	33.8	33.6	33.3	3.47	3.75	3.97	4.28	118.33	126.75	133.39	142.52
WHOLESALE TRADE	38.9	38.6	38.8	38.9	4.49	4.89	5.18	5.55	174.66	188.75	200.98	215.90
RETAIL TRADE	32.7	32.4	32.1	31.7	3.09	3.34	3.55	3.83	101.04	108.22	113.96	121.41
FINANCE, INSURANCE, AND REAL ESTATE	36.7	36.5	36.6	36.6	3.82	4.13	4.36	4.60	140.19	150.75	159.58	168.36
SERVICES	33.9	33.8	33.5	33.4	3.76	4.06	4.36	4.71	127.46	137.23	146.06	157.31

¹For coverage of series, see footnote 1, table B-2 (page 77).

^P=preliminary unweighted averages.

Explanatory Notes

These explanatory notes provide information on the concepts, methodology, and scope of Household Data (A tables), Establishment Data (B, C, and D tables), and State and Area Unemployment Data (E table) published in *Employment and Earnings*.

Introduction

The statistics in this periodical are compiled from two major sources: (1) Household interviews, and (2) reports from employers.

Data based on household interviews are obtained from a sample survey of the population 16 years of age and over. The survey is conducted each month by the Bureau of the Census for the Bureau of Labor Statistics and provides comprehensive data on the labor force, the employed and the unemployed, including such characteristics as age, sex, race, household relationship, marital status, occupation, and industry attachment. The survey also provides data on the characteristics and past work experience of those not in the labor force. The information is collected by trained interviewers from a sample of about 47,000 households, representing 461 areas in 923 counties and independent cities, with coverage in 50 States and the District of Columbia. The data collected are based on the activity or status reported for the calendar week including the 12th of the month.

Data based on establishment records are compiled each month from mail questionnaires by the Bureau of Labor Statistics, in cooperation with State agencies. The establishment survey is designed to provide detailed industry information on nonagricultural wage and salary employment, average weekly hours, average hourly and weekly earnings, and labor turnover for the Nation, States, and metropolitan areas. The employment, hours, and earnings series are based on payroll reports from a sample of establishments employing over 30 million nonagricultural wage and salary workers. The data relate to all workers, full- or part-time, who received pay during the payroll period which includes the 12th of the month. Based on a somewhat smaller sample, labor turnover data relate to actions occurring during the entire month.

RELATION BETWEEN THE HOUSEHOLD AND ESTABLISHMENT SERIES

The household and establishment data supplement one another, each providing significant types of information that the other cannot suitably supply. Population characteristics, for example, are readily obtained only from the household survey whereas detailed industrial classifications can be reliably derived only from establishment reports.

Data from these two sources differ from each other because of differences in definition and coverage, sources of information, methods of collection, and estimating procedures. Sam-

pling variability and response errors are additional reasons for discrepancies. The major factors which have a differential effect on levels and trends of the two series are as follows.

Employment

Coverage. The household survey definition of employment comprises wage and salary workers (including domestics and other private household workers), self-employed persons, and unpaid workers who worked 15 hours or more during the survey week in family-operated enterprises. Employment in both agricultural and nonagricultural industries is included. The payroll survey covers only wage and salary employees on the payrolls of nonagricultural establishments.

Multiple jobholding. The household approach provides information on the work status of the population without duplication, since each person is classified as employed, unemployed, or not in the labor force. Employed persons holding more than one job are counted only once and are classified according to the job at which they worked the greatest number of hours during the survey week. In the figures based on establishment records, persons who worked in more than one establishment during the reporting period are counted each time their names appear on payrolls.

Unpaid absences from jobs. The household survey includes among the employed all persons who had jobs but were not at work during the survey week—that is, were not working but had jobs from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or because they were taking time off for various other reasons, even if they were not paid by their employers for the time off. In the figures based on payroll reports, persons on leave paid for by the company are included, but not those on leave without pay for the entire payroll period.

For a comprehensive discussion of the differences between household and establishment survey employment data, see Gloria P. Green's article "Comparing Employment Estimates from Household and Payroll Surveys," *Monthly Labor Review*, December 1969. Reprints of this article are available upon request from the Bureau of Labor Statistics.

Hours of work

The household survey measures hours actually worked whereas the payroll survey measures hours paid for by em-

ployers. In the household survey data, all persons with a job but not at work are excluded from the hours distributions and the computations of average hours. In the payroll survey, employees on paid vacation, paid holiday, or paid sick leave are included and assigned the number of hours for which they were paid during the reporting period.

COMPARABILITY OF THE HOUSEHOLD DATA WITH OTHER SERIES

Unemployment insurance data. The unemployed total from the household survey includes all persons who did not have a job at all during the survey week and were looking for work or were waiting to be called back to a job from which they had been laid off, regardless of whether or not they were eligible for unemployment insurance. Figures on unemployment insurance claims, prepared by the Employment and Training Administration of the Department of Labor, exclude persons who have exhausted their benefit rights, new workers who have not earned rights to unemployment insurance, and persons losing jobs not covered by unemployment insurance systems (agriculture, some State and local government, domestic service, self-employment, unpaid family work, and religious organizations).

In addition, the qualifications for drawing unemployment compensation differ from the definition of unemployment used in the household survey. For example, persons with a job but not at work and persons working only a few hours during the week are sometimes eligible for unemployment compensation but are classified as employed rather than unemployed in the household survey.

For an examination of the similarities and differences between State insured unemployment and total unemployment, see "Measuring Total and State Insured Unemployment" by Gloria P. Green in the June 1971 issue of the *Monthly Labor Review*. Reprints of this article may be obtained upon request.

Agricultural employment estimates of the Department of Agriculture. The principal differences in coverage are the inclusion of persons under 16 in the Statistical Research Service (SRS) series and the treatment of dual jobholders who are counted more than once if they work on more than one farm during the

reporting period. There are also wide differences in sampling techniques and collecting and estimating methods, which cannot be readily measured in terms of impact on differences in level and trend of the two series.

COMPARABILITY OF THE PAYROLL EMPLOYMENT DATA WITH OTHER SERIES

Statistics on manufactures and business, Bureau of the Census. BLS establishment statistics on employment differ from employment counts derived by the Bureau of the Census from its censuses or annual sample surveys of manufacturing establishments and the censuses of business establishments. The major reasons for some noncomparability are different treatment of business units considered parts of an establishment, such as central administrative offices and auxiliary units, the industrial classification of establishments, and different reporting patterns by multiunit companies. There are also differences in the scope of the industries covered, e.g., the Census of Business excludes professional services, public utilities, and financial establishments, whereas these are included in BLS statistics.

County Business Patterns. Data in County Business Patterns (CBP), published by the Bureau of the Census, U.S. Department of Commerce, differ from BLS establishment statistics in the treatment of central administrative offices and auxiliary units. Differences may also arise because of industrial classification and reporting practices. In addition, CBP excludes interstate railroads and government, and coverage is incomplete for some of the nonprofit activities.

Employment covered by State unemployment insurance programs. Most nonagricultural wage and salary workers are covered by the unemployment insurance programs. Beginning in January 1972, coverage was expanded to include employees of small firms and selected nonprofit activities who had not been covered previously. However, certain activities, such as interstate railroads, parochial schools, churches and most local government activities are not covered by unemployment insurance whereas these are included in BLS establishment statistics.

Household data

(A tables)

COLLECTION AND COVERAGE

Statistics on the employment status of the population, the personal, occupational, and other characteristics of the employed, the unemployed, and persons not in the labor force, and related data are compiled for the BLS by the Bureau of the Census in its Current Population Survey (CPS). A detailed description of this survey appears in *Concepts and Methods Used in Labor Force Statistics derived from the Current Population Survey*, BLS Report 463. This report is available from BLS on request.

These monthly surveys of the population are conducted with a scientifically selected sample designed to represent the civilian noninstitutional population. Respondents are interviewed to obtain information about the employment status of each member of the household 16 years of age and over. Separate statistics are also collected and published for 14 and 15 year olds. The inquiry relates to activity or status during the calen-

dar week, Sunday through Saturday, which includes the 12th of the month. This is known as the survey week. Actual field interviewing is conducted in the following week.

Inmates of institutions, members of the Armed Forces, and persons under 14 years of age are not covered in the regular monthly enumerations and are excluded from the population and labor force statistics shown in this report. Data on members of the Armed Forces, who are included as part of the categories "total noninstitutional population" and "total labor force," are obtained from the Department of Defense.

Each month, 47,000 occupied units are eligible for interview. About 2,000 of these households are visited but interviews are not obtained because the occupants are not found at home after repeated calls or are unavailable for other reasons. This represents a noninterview rate for the survey of about 4 percent. In addition to the 47,000 occupied units, there are 8,000 sample units in an average month which are visited but found to be vacant or otherwise not to be enumerated. Part of

the sample is changed each month. The rotation plan provides for three-fourths of the sample to be common from 1 month to the next, and one-half to be common with the same month a year earlier.

CONCEPTS

Employed persons comprise (a) all those who during the survey week did any work at all as paid employees, in their own business, profession, or farm, or who worked 15 hours or more as unpaid workers in an enterprise operated by a member of the family, and (b) all those who were not working but who had jobs or businesses from which they were temporarily absent because of illness, bad weather, vacation, labor-management dispute, or personal reasons, whether or not they were paid by their employers for the time off, and whether or not they were seeking other jobs.

Each employed person is counted only once. Those who held more than one job are counted in the job at which they worked the greatest number of hours during the survey week.

Included in the total are employed citizens of foreign countries, temporarily in the United States, who are not living on the premises of an Embassy.

Excluded are persons whose only activity consisted of work around the house (such as own home housework, and painting or repairing own home) or volunteer work for religious, charitable, and similar organizations.

Unemployed persons comprise all persons who did not work during the survey week, who made specific efforts to find a job within the past 4 weeks, and who were available for work during the survey week (except for temporary illness). Also included as unemployed are those who did not work at all, were available for work, and (a) were waiting to be called back to a job from which they had been laid off; or (b) were waiting to report to a new wage or salary job within 30 days.

Duration of unemployment represents the length of time (through the current survey week) during which persons classified as unemployed had been continuously looking for work. For persons on layoff, duration of unemployment represents the number of full weeks since the termination of their most recent employment. A period of 2 weeks or more during which a person was employed or ceased looking for work is considered to break the continuity of the present period of seeking work. Average duration is an arithmetic mean computed from a distribution by single weeks of unemployment.

Unemployed persons by reasons for unemployment are divided into four major groups. (1) Job losers are persons whose employment ended involuntarily who immediately began looking for work and persons on layoff. (2) Job leavers are persons who quit or otherwise terminated their employment voluntarily and immediately began looking for work. (3) Re-entrants are persons who previously worked at a full-time job lasting 2 weeks or longer but were out of the labor force prior to beginning to look for work. (4) New entrants are persons who never worked at a full-time job lasting 2 weeks or longer.

Jobseekers are all unemployed persons who made specific efforts to find a job, sometime during the 4-week period preceding the survey week. Jobseekers do not include persons unemployed because they (a) were waiting to be called back to a job from which they had been laid off or (b) were waiting to report to a new wage or salary job within 30 days. Jobseekers are grouped by the methods used to seek work, including going to a public or private employment agency or to an employer directly, seeking assistance from friends or relatives, placing or answering ads, or utilizing some "other" method. Examples of the "other" category include being on a union or professional register, obtaining assistance from a community

organization, or waiting at a designated pick-up point.

The civilian labor force comprises the total of all civilians classified as employed or unemployed in accordance with the criteria described above. The "total labor force" also includes members of the Armed Forces stationed either in the United States or abroad.

The unemployment rate represents the number unemployed as a percent of the civilian labor force. This measure can also be computed for groups within the labor force classified by sex, age, marital status, race, etc. The job-loser, job-leaver, reentrant, and new entrant rates are each calculated as a percent of the civilian labor force; the sum of the rates for the four groups thus equals the total unemployment rate.

Participation rates represent the proportion of the noninstitutional population that is in the labor force. Two types of participation rates are published: The total labor force participation rate, which is the ratio of the total labor force and the total noninstitutional population; and the civilian labor force participation rate, which is the ratio of the civilian labor force and the civilian noninstitutional population. Participation rates are usually published for sex-age groups, often cross-classified by other demographic characteristics such as race and educational attainment.

Not in labor force includes all civilians 16 years and over who are not classified as employed or unemployed. These persons are further classified as "engaged in own home housework," "in school," "unable to work" because of long-term physical or mental illness, and "other." The "other" group includes for the most part retired persons, those reported as too old to work, the voluntarily idle, and seasonal workers for whom the survey week fell in an "off" season and who were not reported as unemployed. Persons doing only incidental unpaid family work (less than 15 hours) are also classified as not in the labor force.

For persons not in the labor force, data on previous work experience, intentions to seek work again, desire for a job at the time of interview, and reasons for not looking for work are compiled on a quarterly basis. As of January 1970, the detailed questions for persons not in the labor force are asked only in those households that are in the fourth and eighth months of the sample, i.e., the "outgoing" groups, those which had been in the sample for 3 previous months and would not be in for the subsequent month. Between 1967 and 1969, the detailed not-in-labor force questions were asked of persons in the first and fifth months in the sample, i.e., the "incoming" groups.

Occupation, industry, and class of worker for the employed apply to the job held in the survey week. Persons with two or more jobs are classified in the job at which they worked the greatest number of hours during the survey week. The unemployed are classified according to their last full-time civilian job lasting 2 weeks or more. The occupation and industry groups used in data derived from the CPS household interviews are defined as in the 1970 Census of Population. Information on the detailed categories included in these groups is available upon request.

The class-of-worker breakdown specifies "wage and salary workers," subdivided into private and government workers, "self-employed workers," and "unpaid family workers." Wage and salary workers receive wages, salary, commission, tips, or pay in kind from a private employer or from a government unit. Self-employed persons are those who work for profit or fees in their own business, profession, or trade, or operate a farm. Unpaid family workers are persons working without pay for 15 hours a week or more on a farm or in a business operated by a member of the household to whom they are related by blood or marriage.

Hours of work statistics relate to the actual number of hours worked during the survey week. For example, a person who

normally works 40 hours a week but who was off on the Columbus Day holiday would be reported as working 32 hours even though he was paid for the holiday.

For persons working in more than one job, the figures relate to the number of hours worked in all jobs during the week. However, all the hours are credited to the major job.

The distribution of employment by hours worked relate to persons "at work" during the survey week. At work data differ from data on total employment because the latter include persons in zero-hours worked category, "with a job but not at work." Included in this latter group are persons who were on vacation, ill, involved in a labor dispute, or otherwise absent from their jobs for voluntary, noneconomic reasons.

Persons who worked 35 hours or more in the survey week are designated as working "full time," persons who worked between 1 and 34 hours are designated as working "part-time." Part-time workers are classified by their usual status at their present job (either full time or part time) and by their reason for working part time during the survey week (economic or other reasons). "Economic reasons" include: Slack work, material shortages, repairs to plant or equipment, start or termination of job during the week, and inability to find full-time work. "Other reasons" include: Labor dispute, bad weather, own illness, vacation, demands of home housework, school, no desire for full-time work, and full-time worker only during peak season. Persons on full-time schedules include, in addition to those working 35 hours or more, those who worked from 1-34 hours for noneconomic reasons and usually work full time.

Full- and part-time labor force. The *full-time labor force* consists of persons working on full-time schedules, persons involuntarily working part time (part time for economic reasons), and unemployed persons seeking full-time jobs. The *part-time labor force* consists of persons working part time voluntarily and unemployed persons seeking part-time work. Persons with a job but not at work during the survey week are classified according to whether they usually work full or part time.

Labor force time lost is a measure of aggregate hours lost to the economy through unemployment and involuntary part-time employment and is expressed as a percent of potentially available aggregate hours. It is computed by assuming: (1) That unemployed persons looking for full-time work lost an average of 37.5 hours, (2) that those looking for part-time work lost the average number of hours actually worked by voluntary part-time workers during the survey week, and (3) that persons on part time for economic reasons lost the difference between 37.5 hours and the actual number of hours they worked.

Race. White and black and other are terms used to describe the race of workers. The black and other category, which until recently had been identified as "Negro and other races" and prior to 1969 as "nonwhite," includes all persons who are observed in the enumeration process to be other than white. At the time of the 1970 Census of Population, 89 percent of the black and other population group were black; the remainder were American Indians, Eskimos, Orientals, and all other non-white groups. The term "black" is used in this volume when the relevant data are provided exclusively for the black population.

Spanish origin refers to persons who identified themselves in the enumeration process as Mexican, Puerto Rican living on the mainland, Cuban, Central or South American or other Spanish origin or descent. According to the 1970 Census, approximately 96 percent of their population is white.

Major activity: going to school and major activity: *other* are terms used to describe whether the activity of young persons during the reference week are primarily one of going to school or not. Statistics on major activities are published every month in table A-7 for 16-21 year-olds by employment status, race,

sex, and, if unemployed, whether seeking full- or part-time work.

Household head. One person in each household is designated as the head. The head is usually the person regarded as the head by the members of the group. If a husband and wife family occupy the unit, the husband is designated as the head. The number of heads is equal to the number of households.

Vietnam-era veterans are those who served in the Armed Forces of the United States between August 5, 1964, and May 7, 1975. Tables for veterans in this volume are limited to males in the civilian noninstitutional population; i.e., veterans in institutions and females are excluded.

Nonveterans are males who never served in the Armed Forces.

Poverty areas classification consists of all Census geographical divisions in which 20 percent or more of the residents were poor according to the 1970 Decennial Census. Persons were classified as poor or nonpoor by using income thresholds adopted by a Federal interagency committee in 1969. These thresholds vary by family size, composition, and residence (farm-nonfarm). While poverty areas have a substantial concentration of low-income residents, many poor persons live outside these areas and, conversely, the areas include many people who are not poor.

HISTORIC COMPARABILITY

Raised lower age limit

Beginning with data for 1967, the lower age limit for official statistics on persons in the labor force was raised from 14 to 16 years. At the same time, several definitions were sharpened to clear up ambiguities. The principal definitional changes were: (1) Counting as unemployed only persons who were currently available for work and who had engaged in some specific job-seeking activity within the past 4 weeks, an exception to the latter condition is made for persons waiting to start a new job in 30 days or waiting to be recalled from layoff; in the past, the current availability test was not applied and the time period for jobseeking was ambiguous; (2) counting as employed persons who were absent from their jobs in the survey week because of strikes, bad weather, etc. and were also looking for other jobs; previously, these persons had been classified as unemployed; (3) sharpening the questions on hours of work, duration of unemployment, and self-employment in order to increase their reliability.

These changes did not affect the unemployment rate by more than one-fifth of a percentage point in either direction, although the distribution of unemployment by sex was affected. The number of employed was reduced about 1 million because of the exclusion of 14- and 15-year-olds. For persons 16 years and over, the only employment series appreciably affected were those relating to hours of work and class of worker. A detailed discussion of the changes and their effect on the various series is contained in "New Definitions for Employment and Unemployment" by Robert L. Stein in the February 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*. Reprints may be obtained upon request

Noncomparability of labor force levels

Before the changes introduced in 1967, the labor force data were not comparable for three earlier periods: (1) Beginning 1953, as a result of the introduction of data from the 1950 census into the estimation procedure, population levels were raised by about 600,000, labor force, total employment, and

agricultural employment by about 350,000, primarily affecting the figures for totals and males; other categories were relatively unaffected; (2) beginning 1960, the inclusion of Alaska and Hawaii resulted in an increase of about 500,000 in the population and about 300,000 in the labor force, four-fifths of this in nonagricultural employment; other labor force categories were not appreciably affected; (3) beginning 1962, the introduction of figures from the 1960 census reduced the population by about 50,000, labor force and employment by about 200,000; unemployment totals were virtually unchanged. In addition, beginning 1972, information from the 1970 census was introduced into the estimation procedures, producing an increase in the civilian noninstitutional population of about 800,000; labor force and employment totals were raised by a little more than 300,000, and unemployment levels and rates were essentially unchanged. A subsequent population adjustment based on the 1970 census was introduced in March 1973. This adjustment affected the white and black and other groups but had little effect on totals. The adjustment resulted in the reduction of nearly 300,000 in the white population and an increase of the same magnitude in the black and other population. Civilian labor force and total employment figures were affected to a lesser degree; the white labor force was reduced by 150,000, and the black and other labor force rose by about 210,000. Unemployment levels and rates were not significantly affected.

Beginning in January 1974, the methodology used to prepare independent estimates of the civilian noninstitutional population was modified to an "inflation-deflation" approach. This change in the derivation of the population estimates had its greatest impact on estimates of 20-24 year-old males—particularly those of the black and other population—but had little effect on 16 and over totals. Additional information on the adjustment procedure appears in "CPS Population Controls Derived from Inflation-Deflation Method of Estimation" in the February 1974 issue of *Employment and Earnings*.

Effective July 1975, as a result of the immigration of Vietnamese refugees into the United States, the total and black-and-other independent population controls for persons 16 years and over were adjusted upward by 76,000—30,000 males and 46,000 females. The addition of the refugees increased the black-and-other population by less than 1 percent in any age-sex group, and all of the changes were in the "other" population.

Changes in occupational classification system

Beginning with 1971, the comparability of occupational employment data was affected as a result of changes in census occupational classifications introduced into the Current Population Survey (CPS). These changes stemmed from an exhaustive review of the classification system to be used for the 1970 Census of Population. This review, the most comprehensive since the 1940 census, was to reduce the size of large groups, to be more specific about general and "not elsewhere classified" groups, and to provide information on emerging significant occupations. Differences in March 1970 employment levels tabulated on both the 1960 and 1970 classification systems ranged from a drop of 650,000 in operatives to an increase of 570,000 in service workers, much of which resulted from a shift between these two groups; the nonfarm laborers group increased by 420,000, and changes in other groups amounted to 220,000 or less.

An additional major group was created by splitting the operatives category into two: operatives, except transport, and transport equipment operatives. Separate data for these two groups first became available in January 1972. At the same time, several changes in titles, as well as in order of presenta-

tion, were introduced; for example, the title of the managers, officials, and proprietors group was changed to "managers and administrators, except farm," since only proprietors performing managerial duties are included in the category.

Apart from the effects of revisions in the occupation classification system beginning in 1971, comparability of occupational employment data was further affected in December 1971, when a question eliciting information on major activities or duties was added to the monthly CPS questionnaire in order to determine more precisely the occupational classification of individuals. This change resulted in several dramatic occupational shifts, particularly from managers and administrators to other groups. Thus, meaningful comparisons of occupational levels cannot always be made for 1972 and subsequent years with earlier periods. However, revisions in the occupational classification system as well as in the CPS questionnaire are believed to have had but a negligible impact on unemployment rates.

Additional information on changes in the occupational classification system of the CPS appears in "Revisions in Occupational Classifications for 1971" and "Revisions in the Current Population Survey" in the February 1971 and February 1972 issues, respectively, of *Employment and Earnings*.

ESTIMATING METHODS

Under the estimating methods used in the CPS, all of the results for a given month become available simultaneously and are based on returns from the entire panel of respondents. There are no subsequent adjustments to independent benchmark data on labor force, employment, or unemployment. Therefore, revisions of the historical data are not an inherent feature of this statistical program.

1. *Noninterview adjustment.* The weights for all interviewed households are adjusted to the extent needed to account for occupied sample households for which no information was obtained because of absence, impassable roads, refusals, or unavailability of the respondent for other reasons. This adjustment is made separately by combinations of sample areas and, within these, for six groups—two race categories (white, and black and other) within three residence categories. For sample areas which are standard metropolitan statistical areas (SMSA's), these residence categories are the central cities, and the urban and the rural balance of the SMSA's. For other sample areas, the residence categories are urban, rural nonfarm, and rural farm. The proportion of sample households not interviewed varies from 3 to 5 percent depending on weather, vacations, etc.

2. *Ratio estimates.* The distribution of the population selected for the sample may differ somewhat, by chance, from that of the Nation as a whole, in such characteristics as age, race, sex, and residence. Since these population characteristics are closely correlated with labor force participation and other principal measurements made from the sample, the latter estimates can be substantially improved when weighted appropriately by the known distribution of these population characteristics. This is accomplished through two stages of ratio estimates as follows:

a. *First-stage ratio estimate.* This is a procedure in which the sample proportions are weighted by the known 1970 Census data on the race-residence distribution of the population. This step takes into account the differences existing at the time of the 1970 census between the race-residence distribution for the Nation and for the sample areas.

b. *Second-stage ratio estimate.* In this step, the sample pro-

portions are applied to independent current estimates of the population by age, sex, and race. Prior to January 1974 these estimates were prepared by carrying forward the most recent census data (1970) after taking account of subsequent aging of the population, births, deaths, and migration between the United States and other countries.

Beginning in 1974, the "inflation-deflation" method of deriving independent population controls was introduced into the CPS estimation procedures. In this procedure, the most recent census population adjusted to include estimated net census undercount by age, sex, and race (i.e., "inflated") is carried forward to each subsequent month and later age by adding births, subtracting deaths, and adding net migration. These postcensal population estimates are then "deflated" to census level to reflect the pattern of net undercount in the most recent census by age, sex, and race. The actual percent change over time in the population in any age group is preserved.

3. *Composite estimate procedure.* In deriving statistics for a given month, a composite estimating procedure is used which takes account of net changes from the previous month for continuing parts of the sample (75 percent) as well as the sample results for the current month. This procedure reduces the sampling variability of month-to-month changes especially and of the levels for most items also.

Rounding of estimates

The sums of individual items may not always equal the totals shown in the same tables because of independent rounding of totals and components to the nearest thousand. Differences, however, are insignificant.

Reliability of the estimates

Since the estimates are based on a sample, they may differ from the figures that would have been obtained if it were possible to take a complete census using the same schedules and procedures.

The standard error is a measure of sampling variability, that is, the variations that might occur by chance because only a sample of the population is surveyed. The chances are about 2 out of 3 that an estimate from the sample would differ from a complete census by less than the standard error. The chances are about 19 out of 20 that the difference would be less than twice the standard error.

Table A shows the average standard error for the major employment status categories, by sex, computed from data for past months. Estimates of change derived from the survey are also subject to sampling variability. The standard error of change for consecutive months is also shown in table A. The standard errors of level shown in table A are acceptable approximations of the standard errors of year-to-year change.

The figures presented in table B are to be used for other characteristics and are approximations of the standard errors of all such characteristics. They should be interpreted as providing an indication of the order of magnitude of the standard errors rather than as the precise standard error for any specific item.

The standard error of the change in an item from one month to the next month is more closely related to the standard error of the monthly level for that item than to the size of the specific month-to-month change itself. Thus, in order to use the approximations to the standard errors of month-to-month changes as presented in table C, it is first necessary to obtain the standard error of the monthly level of the item in table B, and then find

Table A. Average standard error of major employment status categories

[In thousands]

Employment status and sex	Average standard error of—	
	Monthly level	Month-to-month change (consecutive months only)
BOTH SEXES		
Labor force	205	150
Total employment	210	155
Agriculture	95	60
Nonagricultural employment	210	155
Unemployment	109	106
MALES		
Labor force	115	95
Total employment	125	100
Agriculture	85	55
Nonagricultural employment	130	105
Unemployment	81	89
FEMALES		
Labor force	140	110
Total employment	140	110
Agriculture	35	25
Nonagricultural employment	140	110
Unemployment	74	83

Table B. Standard error of level of monthly estimates

[In thousands]

Size of estimate	Both sexes		Males		Females	
	Total or white	Black and other	Total or white	Black and other	Total or white	Black and other
10	4	4	6	4	6	4
50	9	9	11	9	11	9
100	12	12	16	12	16	12
250	20	17	25	17	25	17
500	30	25	34	25	34	25
1,000	40	35	50	35	50	35
2,500	60	40	75	40	75	40
5,000	85	45	90	—	90	—
10,000	115	—	115	—	115	—
20,000	150	—	125	—	125	—
30,000	170	—	—	—	—	—
40,000	180	—	—	—	—	—

the standard error of the month-to-month change in table C corresponding to this standard error of level. It should be noted that table C applies to estimates of change between 2 consecutive months. For changes between the current month and the same month last year, the standard errors of level shown in table B are acceptable approximations.

Illustration. Assume that the tables showed the total number of persons working a specific number of hours as 15,000,000, an increase of 500,000 over the previous month. Linear interpolation in the first column of table B shows that the standard error of 15,000,000 is about 133,000. Consequently, the chances are about 68 out of 100 that the sample estimate differs by less than 133,000 from the figure which would have been obtained from a complete count of the number of persons working the given number of hours. Using the 133,000 as the standard error of the monthly level in table C, it may be seen that the standard error of the 500,000 increase is about 126,000.

The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the percentage and the size of the total

Table C. Standard error of estimates of month-to-month change

(In thousands)

Standard error of monthly level	Standard error of month-to-month change
10	12
25	28
50	55
100	100
150	140
200	155
250	160
300	190

upon which the percentage is based. Where the numerator is a subclass of the denominator, estimated percentages are relatively more reliable than the corresponding absolute estimates of the numerator of the percentage, particularly if the percentage is large (50 percent or greater). Table D shows the standard errors for unemployment percentages derived from the survey. Linear interpolation may be used for percentages and base figures not shown in table D. As a general rule, percentages will not be published when the monthly base is less

Table D. Standard error of unemployment percentages

Base of percentages (thousands)	Estimated percentage								
	1 or 99	2 or 98	5 or 95	10 or 90	15 or 85	20 or 80	25 or 75	35 or 65	50
75	1.5	2.1	3.2	4.5	5.4	6.1	6.7	7.5	8.3
150	1.1	1.5	2.4	3.3	4.0	4.5	4.9	5.5	6.1
250	.9	1.3	2.0	2.8	3.3	3.7	4.1	4.6	5.1
500	.6	.8	1.3	1.7	2.1	2.4	2.6	2.9	3.2
1,000	.4	.6	.9	1.2	1.5	1.7	1.8	2.1	2.3
2,000	.3	.4	.6	.9	1.0	1.2	1.3	1.5	1.6
3,000	.2	.3	.5	.7	.9	1.0	1.1	1.2	1.3
5,000	.2	.3	.4	.6	.7	.7	.8	.9	1.0
10,000	.1	.2	.3	.4	.5	.5	.6	.7	.7
25,000	.1	.1	.2	.3	.3	.3	.4	.4	.4
50,000	.1	.1	.1	.2	.2	.2	.3	.3	.3
75,000	.1	.1	.1	.1	.2	.2	.2	.2	.3

than 75,000 or the annual base is less than 35,000. Table E shows the standard error of percentage of monthly levels and consecutive month change for frequently analyzed unemployment rate series. These errors are computed from data for recent months. Errors on change for nonconsecutive months are slightly greater (by roughly a factor of 1.1 times the month-to-month error).

Table E. Standard error of percentages for major unemployment rates

Selected categories	Monthly level	Consecutive month change	Selected categories	Monthly level	Consecutive month change
Total (all civilian workers)	12	14	OCCUPATION—Continued		
Males, 20 years and over	14	17	Blue-collar workers	23	28
Females, 20 years and over	19	24	Craft and kindred workers	32	39
Both sexes, 16-19 years	56	72	Operatives	36	46
White workers	12	15	Nonfarm laborers	66	84
Black (and other) workers	43	55	Service workers	32	40
Household heads	12	15	Farm workers	43	53
Married men	13	16	INDUSTRY		
Full-time workers	12	15	Nonagricultural private wage and salary workers	14	17
Part-time workers	35	44	Construction	75	95
Unemployed 15 weeks and over	06	07	Manufacturing	27	34
Labor force time lost	12	15	Durable goods	36	45
OCCUPATION			Nondurable goods	43	54
White-collar workers	13	15	Transportation and public utilities	41	52
Professional and technical	20	24	Wholesale and retail trade	28	35
Managers and administrators except farm	23	28	Finance and service industries	23	29
Sales workers	39	48	Government wage and salary workers	19	24
Clerical workers	24	30	Agricultural wage and salary workers	1.11	1.39

Establishment data

(B, C, and D tables)

COLLECTION

Payroll reports provide current information on wage and salary employment, hours, earnings, and labor turnover in non-agricultural establishments, by industry and geographic location.

Federal-State cooperation

Under cooperative arrangements with State agencies, the respondent fills out a single employment or labor turnover reporting form, which is then used for national, State, and area estimates. This eliminates duplicate reporting on the part of respondents, and together with the use of identical techniques at the national and State levels, insures maximum comparability of estimates.

State agencies mail the forms to the establishments and examine the returns for consistency, accuracy, and completeness. The States use the information to prepare State and area series and then send the establishment data to the BLS for use in preparing the national series.

Shuttle schedules

Two types of data collection schedules are used: Form BLS 790—Monthly Report on Employment, Payroll, and Hours; and Form DL 1219—Monthly Report on Labor Turnover. These schedules are of the "shuttle" type, with space for each month of the calendar year. The collection agency returns the schedule to the respondent each month so that the next month's data can be entered. This procedure assures maximum comparability

and accuracy of reporting, since the respondent can see the figures he has reported for previous months.

Form BLS 790 provides for entry of data on the number of full- and part-time workers on the payrolls of nonagricultural establishments and, for most industries, payroll and hours of production and related workers or nonsupervisory workers for the pay period which includes the 12th of the month. Form DL 1219 provides for the collection of information on the total number of accessions and separations, by type, during the calendar month.

CONCEPTS

Industrial classification

Establishments reporting on Form BLS 790 and Form DL 1219 are classified into industries on the basis of their principal product or activity determined from information on annual sales volume. This information is collected each year on a supplement to the monthly 790 or 1219 report. For an establishment making more than one product or engaging in more than one activity, the entire employment of the establishment is included under the industry indicated by the most important product or activity.

All data on employment, hours, earnings, and labor turnover for the Nation and for a few States and areas are classified in accordance with the 1967 *Standard Industrial Classification Manual* (SICM), Office of Management and Budget. Most States and areas have converted their series to the 1972 SICM.

Industry employment

Employment data, except those for the Federal Government refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. For Federal Government establishments, employment figures represent the number of persons who occupied positions on the last day of the calendar month. Intermittent workers are counted if they performed any service during the month.

The data exclude proprietors, the self-employed, unpaid volunteer or family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; military personnel are excluded.

Persons on establishment payrolls who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during a part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who are laid off, on leave without pay, or on strike for the entire period or who are hired but have not been paid during the period.

Industry hours and earnings

Average hours and earnings data are derived from reports of payrolls and hours for production and related workers in manufacturing and mining, construction workers in contract construction, and nonsupervisory employees in the remaining private nonagricultural components. For Federal Government, hours and earnings relate to all employees, both supervisory and nonsupervisory. Terms are defined below. When the pay period reported is longer than 1 week, figures are reduced to a weekly basis.

Production and related workers include working supervisors and all nonsupervisory workers (including group leaders and

trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), and recordkeeping and other services closely associated with the above production operations.

Construction workers include the following employees in the contract construction division: Working supervisors, qualified craft workers, mechanic's apprentices, laborers, etc., whether working at the site of construction or in shops or yards, at jobs (such as precutting and preassembling) ordinarily performed by members of the construction trades.

Nonsupervisory employees include employees (not above the working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, physicians, lawyers, accountants, nurses, social workers, research aides, teachers, drafters, photographers, beauticians, musicians, restaurant workers, custodial workers, attendants, line installers and repairers, laborers, janitors, guards, and similar occupational levels, and other employees whose services are closely associated with those of the employees listed.

Payroll covers the payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of the pay period which includes the 12th of the month. The payroll is reported before deductions of any kind, e.g., for old-age and unemployment insurance, group insurance, withholding tax, bonds or union dues; also included is pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), other pay not earned in the pay period reported (e.g., retroactive pay), tips, and the value of free rent, fuel, meals, or other payment in kind are excluded. "Fringe benefits" (such as health and other types of insurance, contributions to retirement, etc. paid by the employer) are also excluded.

Hours cover the hours paid for, during the pay period which includes the 12th of the month, for production, construction, or nonsupervisory workers. Included are hours paid for holidays and vacations, and for sick leave when pay is received directly from the firm.

Overtime hours cover hours worked by production or related workers for which overtime premiums were paid because the hours were in excess of the number of hours of either the straight-time workday or the workweek during the pay period which includes the 12th of the month. Weekend and holiday hours are included only if overtime premiums were paid. Hours for which only shift differential, hazard, incentive, or other similar types of premiums were paid are excluded.

Gross average hourly and weekly earnings. Average hourly earnings are on a "gross" basis, reflecting not only changes in basic hourly and incentive wage rates but also such variable factors as premium pay for overtime and late-shift work and changes in output of workers paid on an incentive plan. Shifts in the volume of employment between relatively high-paid and low-paid work and changes in workers' earnings in individual establishments also affect the general earnings averages. Averages for groups and divisions further reflect changes in average hourly earnings for individual industries.

Averages of hourly earnings differ from wage rates. Earnings are the actual return to the worker for a stated period of time; rates are the amount stipulated for a given unit of work or time. The earnings series does not measure the level of total labor costs on the part of the employer since the following are excluded: Irregular bonuses, retroactive items, payments of various welfare benefits, payroll taxes paid by employers, and earnings for those employees not covered under the production-worker, construction-worker, or nonsupervisory-employee definitions.

Gross average weekly earnings are derived by multiplying

average weekly hours by average hourly earnings. Therefore, weekly earnings are affected not only by changes in gross average hourly earnings but also by changes in the length of the workweek. Monthly variations in such factors as proportion of part-time workers, stoppages for varying causes, labor turnover during the survey period, and absenteeism for which employees are not paid may cause the average workweek to fluctuate.

Long-term trends of gross average weekly earnings can be affected by structural changes in the makeup of the work force. For example, persistent long-term increases in the proportion of part-time workers in retail trade and many of the service industries have reduced average workweeks in these industries and have affected the average weekly earnings series.

Average weekly hours. The workweek information relates to the average hours for which pay was received and is different from standard or scheduled hours. Such factors as unpaid absenteeism, labor turnover, part-time work, and stoppages cause average weekly hours to be lower than scheduled hours of work for an establishment. Group averages further reflect changes in the workweek of component industries.

Average overtime hours. The overtime hours represent the portion of the gross average weekly hours which were in excess of regular hours and for which overtime premiums were paid. If an employee worked on a paid holiday at regular rates, receiving as total compensation his holiday pay plus straight-time pay for hours worked that day, no overtime hours would be reported.

Since overtime hours are premium hours by definition, gross weekly hours and overtime hours do not necessarily move in the same direction from month-to-month; for example, overtime premiums may be paid for hours in excess of the straight-time workday although less than a full week is worked. Diverse trends at the industry-group level also may be caused by a marked change in gross hours for a component industry where little or no overtime was worked in both the previous and current months. In addition, such factors as stoppages, absenteeism, and labor turnover may not have the same influence on overtime hours as on gross hours.

Hours and earnings for total private nonagricultural industries. The series covers all nonagricultural industry divisions except government. The principal source of payroll data is Form BLS 790. Secondary source material such as the Bureau's *Employment and Wages*, *County Business Patterns* of the Bureau of the Census, and additional supporting information such as *The Hospital Guide*, Part II, of the American Hospital Association and special studies by the National Council of Churches supplement data for certain industry groups within the service division.

For a technical description of this series, see the article, "Hours and Earnings for Workers in Private Nonagricultural Industries," published in the May 1967 issue of *Employment and Earnings and Monthly Report on the Labor Force*. Reprints are available upon request.

Railroad hours and earnings. The figures for class I railroads (excluding switching and terminal companies) are based on monthly data summarized in the M-300 report of the Interstate Commerce Commission and relate to all employees except executives, officials, and staff assistants (ICC group I) who received pay during the month. Gross average hourly earnings are computed by dividing total compensation by total hours paid for. Average weekly hours are obtained by dividing the total number of hours paid for, reduced to a weekly basis, by

the number of employees, as defined above. Gross average weekly earnings are derived by multiplying average weekly hours by average hourly earnings.

Spendable average weekly earnings. Spendable average weekly earnings in current dollars are obtained by deducting estimated Federal social security and income taxes from average weekly earnings. The amount of income tax liability depends on the number of dependents supported by the worker and his marital status, as well as on the level of his gross income. To reflect these variables, spendable earnings are computed for a worker with no dependents and a married worker with three dependents. The computations are based on gross average weekly earnings for all production or nonsupervisory workers in the industry division excluding other income and income earned by other family members.

The series reflects the spendable earnings of only those workers, with either none or three dependents, whose gross weekly pay approximates the average earnings indicated for all production and nonsupervisory workers. It does not reflect, for example, the average earnings of all married workers with three dependents; such workers, in fact have higher gross average earnings than workers with no dependents.

Since part-time as well as full-time workers are included, and since the proportion of part-time workers has been rising, the series understates the increase in earnings for full-time workers. As noted, "fringe benefits" are not included in the earnings. For a more complete discussion of the uses and limitations of these series, see the article by Paul M. Schwab, "Two Measures of Purchasing Power Contrasted," in the *Monthly Labor Review* for April 1971. Reprints of this article are available upon request from the Bureau of Labor Statistics.

"Real" earnings are computed by dividing the current Consumer Price Index into the earnings averages for the current month. This is done for gross average weekly earnings and for spendable average weekly earnings. The level of earnings is thus adjusted for changes in purchasing power since the base period (1967).

Average hourly earnings excluding overtime. Average hourly earnings excluding overtime premium pay are computed by dividing the total production worker payroll for the industry group by the sum of total production-worker hours and one-half of total overtime hours. Prior to January 1956, these data were based on the application of adjustment factors to gross average hourly earnings (as described in the *Monthly Labor Review*, May 1950, pp. 537-540). Both methods eliminate only the earnings due to overtime paid for at 1½ times the straight-time rates. No adjustment is made for other premium payment provisions, such as holiday work, late-shift work, and overtime rates other than time and one-half.

Indexes of aggregate weekly payrolls and hours. The indexes of aggregate weekly payrolls and hours are prepared by dividing the current month's aggregate by the monthly average for the 1967 period. The hour aggregates are the product of average weekly hours and production-worker or nonsupervisory worker employment, and the payroll aggregates are the product of hour aggregates and average hourly earnings. At all higher levels of aggregation, hour and payroll aggregates are the sum of the component aggregates.

Indexes of diffusion of changes in number of employees on nonagricultural payrolls. These indexes measure the percent of industries which posted increases in employment over the specified time span. The indexes are calculated from 172 unpublished seasonally adjusted employment series (two-digit nonmanufacturing industries and three-digit manufacturing

industries) covering all nonagricultural payroll employment in the private sector. A more detailed discussion of these indexes appears in "Introduction of Diffusion Indexes," in the December, 1974 issue of *Employment and Earnings*.

Labor turnover

Labor turnover is the gross movement of wage and salary workers into and out of employed status with respect to individual establishments. This movement, which relates to a calendar month, is divided into two broad types: *Accessions* (new hires and rehires) and *separations* (terminations of employment initiated by either employer or employee). Each type of action is cumulated for a calendar month and expressed as a rate per 100 employees. The data relate to all employees, whether full- or part-time, permanent or temporary, including executive, office, sales, other salaried personnel, and production workers. Transfers to another establishment of the company are included, beginning with January 1959.

Accessions are the total number of permanent and temporary additions to the employment roll, including both new and re-hired employees.

New hires are temporary or permanent additions to the employment roll of persons who have never before been employed in the establishment (except employees transferring from another establishment of the same company) or of former employees not recalled by the employer.

Other accessions, which are not published separately but are included in total accessions, are all additions to the employment roll which are not classified as new hires, including transfers from other establishments of the company and employees recalled from layoff.

Separations are terminations of employment during the calendar month and are classified according to cause: Quits, layoffs, and other separations, are defined as follows:

Quits are terminations of employment initiated by employees, failure to report after being hired, and unauthorized absences, if on the last day of the month the person has been absent more than 7 consecutive calendar days.

Layoffs are suspensions without pay lasting or expected to last more than 7 consecutive calendar days, initiated by the employer without prejudice to the worker.

Other separations, which are not published separately but are included in total separations, are terminations of employment because of discharge, permanent disability, death, retirement, transfers to another establishment of the company, and entrance into the Armed Forces for a period expected to last more than 30 consecutive calendar days.

Relationship of labor turnover to employment series

Month-to-month changes in total employment in manufacturing industries reflected by labor turnover rates are not comparable with the changes shown in the Bureau's employment series for the following reasons: (1) Accessions and separations are computed for the entire calendar month; the employment reports refer to the pay period which includes the 12th of the month; and (2) employees on strike are not counted as turnover actions although such employees are excluded from the employment estimates if the work stoppage extends through the report period.

ESTIMATING METHODS

The principal features of the procedure used to estimate employment for the industry statistics are (1) the use of the

"link relative" technique, which is a form of ratio estimation, (2) periodic adjustment of employment levels to new benchmarks, and (3) the use of size and regional stratification.

The "link relative" technique

From a sample composed of establishments reporting for both the previous and current months, the ratio of current month employment to that of the previous month is computed. This is called a link relative. The estimates of employment (all employees, including production and nonproduction workers together) for the current month are obtained by multiplying the estimates for the previous month by these "link relatives." In addition, small bias correction factors are applied to selected employment estimates each month. The size of the bias correction factors is determined from past experience. Other features of the general procedures are described in table F. Summary of methods for computing industry statistics on employment, hours, earnings, and labor turnover.

Size and regional stratification

A number of industries are stratified by size of establishment and/or by region, and the stratified production or nonsupervisory worker data are used to weight the hours and earnings into broader industry groupings. Accordingly, the basic estimating cell for an employment, hours, or earnings series, as the term is used in the summary of computational methods, may be a whole industry or a size stratum, a region stratum, or a size stratum of a region within an industry.

Benchmark adjustments

Employment estimates are compared periodically with comprehensive counts of employment which provide "benchmarks" for the various nonagricultural industries, and appropriate adjustments are made as indicated. The industry estimates are currently projected from March 1974 levels. Normally, benchmark adjustments are made annually.

The primary sources of benchmark information are employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws. These tabulations cover nearly nine-tenths of the total nonagricultural employment in the United States. Benchmark data for the residual are obtained from the records of the Social Security Administration, the Interstate Commerce Commission, and a number of other agencies in private industry or government.

The estimates relating to the benchmark month are compared with new benchmark levels, industry by industry. If revisions are necessary, the monthly series of estimates are adjusted between the new benchmark and the preceding one, and the new benchmark for each industry is then carried forward progressively to the current month by use of the sample trends. Thus, under this procedure, the benchmark is used to establish the level of employment; the sample is used to measure the month-to-month changes in the level. A comparison of the actual amounts of revisions due to benchmark adjustment for the last 3 years is shown in table G.

Data for all months since the last benchmark to which the series has been adjusted are subject to revision. To provide users of the data with a convenient reference source for the revised data, the BLS publishes as soon as possible after each benchmark revision a summary volume of employment, hours, earnings, and labor turnover statistics, entitled *Employment and Earnings*, United States.

Table F. Summary of methods for computing industry statistics on employment, hours, and labor turnover

Item	Basic estimating cell (industry, region, size, or region/size cell)	Aggregate industry levels (divisions, groups and, where stratified, individual cells)
Monthly data		
All employees	All employees estimate for previous month multiplied by ratio of all employees in current month to all employees in previous month, for sample establishments which reported for both months.	Sum of all employee estimates for component cells.
Production or nonsupervisory workers, women employees	All employee estimate for current month multiplied by (1) ratio of production or nonsupervisory workers to all employees in sample establishments for current month, (2) ratio of women to all employees.	Sum of production or nonsupervisory worker estimates, or estimates of women employees, for component cells.
Gross average weekly hours	Production or nonsupervisory worker hours divided by number of production or nonsupervisory workers.	Average, weighted by production or nonsupervisory employment, of the average weekly hours for component cells.
Average weekly overtime hours	Production worker overtime hours divided by number of production workers.	Average, weighted by production worker employment, of the average weekly overtime hours for component cells.
Gross average hourly earnings	Total production or nonsupervisory worker payroll divided by total production or nonsupervisory worker hours.	Average, weighted by aggregate hours, of the average hourly earnings for component cells.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	The number of particular actions (e.g., quits) in reporting establishments divided by total employment in those firms. The result is multiplied by 100.	Average, weighted by employment, of the rates for component cells.
Annual average data		
All employees and production or nonsupervisory workers	Sum of monthly estimates divided by 12.	Sum of monthly estimates divided by 12.
Gross average weekly hours	Annual total of aggregate hours (production or nonsupervisory worker employment multiplied by average weekly hours) divided by annual sum of employment.	Annual total of aggregate hours for production or nonsupervisory workers divided by annual sum of employment for these workers.
Average weekly overtime hours	Annual total of aggregate overtime hours (production worker employment multiplied by average weekly overtime hours) divided by annual sum of employment.	Annual total of aggregate overtime hours for production workers divided by annual sum of employment for these workers.
Gross average hourly earnings	Annual total of aggregate payrolls (production or nonsupervisory worker employment multiplied by weekly earnings) divided by annual aggregate hours.	Annual total of aggregate payrolls divided by annual aggregate hours.
Gross average weekly earnings	Product of gross average weekly hours and average hourly earnings.	Product of gross average weekly hours and average hourly earnings.
Labor turnover rates	Sum of monthly rates divided by 12.	Sum of monthly rates divided by 12.

Table G. Nonagricultural payroll employment estimates, by industry divisions, as a percentage of the benchmark for 1971, 1973, and 1974

Industry division	1971	1973 ¹	1974
Total	100.2	98.4	99.9
Mining	99.8	96.5	97.0
Contract construction	96.9	90.4	100.6
Manufacturing	100.4	98.9	99.9
Transportation and public utilities	100.9	99.3	100.0
Wholesale and retail trade	100.3	97.8	100.1
Finance, insurance, and real estate	100.2	99.5	98.9
Services	100.4	99.1	99.3
Government	100.0	99.5	100.6

¹ 2-year revision.

THE SAMPLE

Design

The sampling plan used in the current employment statistics program is known as "sampling proportionate to average size of establishment." This design is an optimum allocation design among strata since the sampling variance is proportional to the

average size of establishments. The universe of establishments is stratified first by industry and then within each industry by size of establishment in terms of employment. For each industry, the number of sample units is distributed among the size class cells on the basis of average employment per establishment in each cell. In practice, this is equivalent to distributing the predetermined total number of establishments required in the sample among the cells on the basis of the ratio of employment in each cell to total employment in the industry. Within each noncertainty stratum the sample members are selected at random.

Under this type of design, large establishments fall into the sample with certainty. The size of the sample for the various industries is determined empirically on the basis of experience and of cost considerations. In a manufacturing industry in which a high proportion of total employment is concentrated in relatively few establishments, a large percentage of total employment is included in the sample. Consequently, the sample design for such industries provides for a complete census of the large establishments with only a few chosen from among the smaller establishments or none at all if the concentration of employment is great enough. On the other hand, in an industry in which a large proportion of total employment is in small

establishments, the sample design calls for inclusion of all large establishments and also for a substantial number of the small ones. Many industries in the trade and services divisions fall into this category. To keep the sample to a size which can be handled by available resources, it is necessary to accept samples in these divisions with a smaller proportion of universe employment than is the case for most manufacturing industries. Since individual establishments in these nonmanufacturing divisions generally show less fluctuation from regular cyclical or seasonal patterns than establishments in manufacturing industries, these smaller samples (in terms of employment) generally produce reliable estimates.

In the context of the BLS employment and labor turnover statistics programs, with their emphasis on producing timely data at minimum cost, a sample must be obtained which will provide coverage of a sufficiently large segment of the universe to provide reasonably reliable estimates that can be published promptly and regularly. The present sample meets these specifications for most industries. With its use, the BLS is able to produce preliminary estimates each month for many industries and for many geographic levels within a few weeks after reports are mailed by respondents, and at a somewhat later date, statistics in considerably greater industrial detail.

Coverage

The BLS sample of establishment employment and payrolls is the largest monthly sampling operation in the field of social statistics. Table H shows the approximate proportion of total employment in each industry division covered by the group of establishments furnishing monthly employment data. The coverage for individual industries within the division may vary from the proportions shown. Table I shows the approximate coverage, in terms of employment, of the labor turnover sample.

Table H. Approximate size and coverage of BLS employment and payrolls sample, March 1974¹

Industry division	Number of establishments in samples	Employees	
		Number reported	Percent of total
Total	158,400	31,637,000	41
Mining	2,100	307,000	46
Contract construction	16,500	771,000	20
Manufacturing	47,000	11,821,000	59
Transportation and public utilities:			
Railroad transportation (ICC)	95	537,000	94
Other transportation and public utilities	7,300	2,181,000	53
Wholesale and retail trade	38,200	3,050,000	18
Finance, insurance, and real estate	10,100	1,507,000	36
Services	23,500	2,740,000	20
Government:			
Federal (Civil Service Commission) ²	3,200	2,691,000	100
State and local	10,400	6,032,000	52

¹ Since a few establishments do not report payroll and hour information, hours and earnings estimates may be based on a slightly smaller sample than employment estimates.

² National estimates of Federal employment are provided to the BLS by the Civil Service Commission. State and area estimates are based on a sample of 3,200 reports covering about 53 percent of employment in Federal establishments.

Table I. Approximate size and coverage of BLS labor turnover sample, March 1974

Industry	Employees	
	Number reported	Percent of total
Total	10,873,730	52
Manufacturing	10,007,800	51
Metal mining	61,850	66
Coal mining	56,770	35
Communications:		
Telephone	734,270	74
Telegraph	13,040	61

Reliability of the employment estimates

Although the relatively large size of the BLS establishment sample assures a high degree of accuracy, the estimates derived from it may differ from the figures that would be obtained if it were possible to take a complete census using the same schedules and procedures. As discussed under the previous section, a link relative technique is used to estimate employment. This requires the use of the previous month's estimate as the base in computing the current month's estimate. Thus, small sampling and response errors may cumulate over several months. To remove this accumulated error, the estimates are usually adjusted annually to new benchmarks. In addition to taking account of sampling and response errors, the benchmark revision adjusts the estimates for changes in the industrial classification of individual establishments (resulting from changes in their product which are not reflected in the levels of estimates until the data are adjusted to new benchmarks). In fact, at the more detailed industry levels, particularly within manufacturing, changes in classification are the major cause of benchmark adjustments. Another cause of differences arises from improvements in the quality of the benchmark data. Improvements brought about by the most recent expansion in unemployment insurance coverage were the major cause of differences in the March 1973 benchmark adjustments. (See article by Carol M. Utter, "BLS Establishment Estimates Revised to March 1973 Benchmark Levels", in the December 1974 issue.) Table J presents the average percent revisions of the six most recent benchmarks (excluding the March 1973 adjustment) for major industry divisions. Detailed descriptions of individual benchmark revisions are available from the Bureau upon request.

The hours and earnings estimates for cells are not subject to benchmark revisions, although the broader groupings may be affected slightly by changes in employment weights. The hours and earnings estimates, however, are subject to sampling errors which may be expressed as relative errors of the estimates. (A relative error is a standard error expressed as a percent of the estimate.) Relative errors for major industries are presented in table J and for individual industries with the specified number of employees in table K. The chances are about 2 out of 3 that the hours and earnings estimates from the sample would differ by a smaller percentage than the relative error

Table J. Average benchmark percent revision in employment estimates and relative errors¹ for average weekly hours and average hourly earnings by industry division

Industry division	Average benchmark revision in estimates of employment ²	Relative errors (in percent)	
		Average weekly hours	Average hourly earnings
Total nonagricultural employment	0.2	-	-
Total private	1	0.1	0.2
Mining	1.2	5	5
Contract construction	1.2	2	3
Manufacturing	3	1	1
Durable goods	4	1	1
Nondurable goods	3	1	1
Transportation and public utilities	4	7	4
Trade	3	1	2
Wholesale	1.0	2	3
Retail	2	2	2
Finance, insurance, and real estate	4	2	4
Services	6	4	8
Government ³	6	-	-

¹ Relative errors relate to March 1971 data.

² The average percent revision in employment for the 1967-71 and 1974 benchmarks.

³ Estimates for government are based on a total count for Federal Government and samples for State and local government benchmarked to a quinquennial census of government conducted by the Bureau of the Census.

from the averages that would have been obtained from a complete census.

One measure of the reliability of the employment estimates for individual industries is the root-mean-square error (RMSE). The measure is the standard deviation adjusted for the bias in estimates

$$(RMSE = \sqrt{(Standard\ Deviation)^2 + (Bias)^2}).$$

If the bias is small, the chances are about 2 out of 3 that an estimate from the sample would differ from its benchmark by less than the root-mean-square error. The chances are about 19 out of 20 that the difference would be less than twice the root-mean-square error.

Approximations of the root-mean-square errors (based on the experience of the last 6 years) of differences between final estimates and benchmarks are presented in table K.

For the two most recent months, estimates of employment, hours, and earnings are preliminary and are so footnoted in the tables. These figures are based on less than the total sample and are revised when all the reports in the sample have been received. Table L presents root-mean-square errors of the amounts of revisions that may be expected between the preliminary and final levels of employment and preliminary and final month-to-month changes. Revisions of preliminary hours and earnings estimates are normally not greater than .1 of an hour for weekly hours and 1 cent for hourly earnings.

Table K. Root-mean-square errors of differences between benchmarks and estimates of employment and average relative errors for average weekly hours and average hourly earnings

Size of employment estimate	Root-mean-square error of employment estimates ¹	Relative errors (in percent)	
		Average weekly hours	Average hourly earnings
50,000.....	1,900	0.9	1.5
100,000.....	2,700	.7	1.1
200,000.....	4,100	.5	.9
500,000.....	9,600	.4	.8
1,000,000.....	13,000	.3	.5
2,000,000.....	16,800	.3	.5

¹ Assuming 12-month intervals between benchmark revisions.

Table L. Errors of preliminary employment estimates

Size of employment estimate	Root-mean-square error of	
	Monthly level	Month-to-month change
50,000.....	600	600
100,000.....	800	700
200,000.....	1,400	1,200
500,000.....	3,300	3,200
1,000,000.....	4,200	4,200
2,000,000.....	6,500	6,300
10,000,000.....	27,000	23,000
Total nonagricultural employment.....	94,000	81,000
Mining.....	6,000	5,000
Contract construction.....	17,000	15,000
Manufacturing.....	35,000	33,000
Transportation and public utilities.....	14,000	12,000
Wholesale and retail trade.....	33,000	31,000
Finance, insurance, and real estate.....	6,000	6,000
Services.....	27,000	22,000
Government.....	45,000	39,000

STATISTICS FOR STATES AND AREAS

State and area employment, hours, earnings, and labor turnover data are collected and prepared by State agencies in

cooperation with BLS. The area statistics relate to metropolitan areas. Definitions for all areas are published each year in the issue of *Employment and Earnings* that contains State and area annual averages (usually the May issue). Changes in definitions are noted as they occur. Additional industry detail may be obtained from the State agencies listed on the inside back cover of each issue. These statistics are based on the same establishment reports used by BLS for preparing national estimates. For employment, the sum of the State figures may differ slightly from the equivalent official U.S. totals on a national basis, because some States have more recent benchmarks than others and because of the effects of differing industrial and geographic stratification.

For the States and the areas shown in the B and C sections of this periodical, all the annual average data for the detailed industry statistics currently published by each cooperating State agency are presented (from the earliest date of availability of each series) in a summary volume published annually by the BLS.

PRODUCTIVITY DATA

Tables C-10, C-11, and C-12 are compiled by the Bureau of Labor Statistics from establishment data and from estimates of compensation and gross national product supplied by the U.S. Department of Commerce and the Federal Reserve Board.

Definitions

Hours of wage and salary workers in nonagricultural establishments refer to hours paid for all employees—production workers, nonsupervisory workers, and salaried workers.

Output is the constant dollar market value of final goods and services produced in a given period. Indexes of *output per hour* of labor input, or labor productivity, measure changes in the volume of goods and services produced per unit of labor.

Compensation per hour includes wages and salaries of employees plus employers contributions for social insurance and private benefit plans. The data also include an estimate of wages, salaries, and supplementary payments for the self-employed, except for nonfinancial corporations, in which there are no self-employed.

Real compensation per hour is compensation per hour adjusted to eliminate the effect of changes in the Consumer Price Index.

Unit labor costs measure the labor compensation cost required to produce one unit of output and are derived by dividing compensation per hour by output per hour. *Unit nonlabor payments* include profits, depreciation, interest, and indirect taxes per unit of output. They are computed by subtracting compensation of all persons from the current dollar gross national product and dividing by output. In these tables, unit nonlabor costs contain all the components of unit nonlabor payments except unit profits. *Unit profits* includes corporate profits and inventory valuation adjustments per unit of output.

The *implicit price deflator* is derived by dividing the current dollar estimate of gross product by the constant dollar estimate, making the deflator, in effect, a price index for gross product of the sector reported.

Notes on the data

For the private business sector and the nonfarm business sector, these indexes relate to the Gross Domestic Product less households and institutions, owner-occupied housing,

and statistical discrepancy. For the nonfinancial corporate sector, the indexes refer to the Gross Domestic Product of nonfinancial corporate businesses.

Manufacturing data have been revised to reflect revisions in the Federal Reserve Board Index of Industrial Production. Output data are supplied by the Bureau of Economic Analysis,

U.S. Department of Commerce, and the Federal Reserve Board. Quarterly measures have been adjusted by the Bureau of Labor Statistics to annual estimates of output (gross product originating) from the Bureau of Economic Analysis. Compensation and hour data are from the Bureau of Economic Analysis and the Bureau of Labor Statistics.

State and area unemployment data

(E table)

Since November 1972, the Bureau of Labor Statistics has been responsible for developing the concepts and methods used by State employment security agencies to estimate State and local area labor force, employment, and unemployment. In December 1975, the Office of Management and Budget extended this responsibility to include the publication of State and local area labor force and unemployment estimates. Prior to 1972, State agencies prepared estimates using a method developed by the Department of Labor in 1950, generally referred to as the Handbook method (BES Report No. R-185). The new system combines the Handbook method with a set of procedures based on the concepts and definitions used in the national Current Population Survey (CPS). Improvements have been in two areas: (1) The estimating methodology previously used by State agencies has been modified to more closely approximate CPS definitions; and (2) The State-prepared monthly estimates are benchmarked to annual average totals from the CPS.

Federal-State cooperative program

Labor force and unemployment estimates for States, labor market areas (LMA), and other areas specifically defined for fund allocation purposes are developed under a Federal-State cooperative program and transmitted each month to BLS. The local area unemployment estimates approved by BLS are the basis for determining eligibility of an area for benefits under Federal economic assistance programs, such as those established by the Comprehensive Employment and Training Act (CETA).

ESTIMATING METHODS

Monthly employment and unemployment estimates are prepared in several stages:

1. *Preliminary estimate—Employment:* The total employment estimate is based primarily on data from the survey of establishments which produces an estimate of payroll employment. This place-of-work estimate must be adjusted to refer to place of residence as used in the Current Population Survey. Adjustment factors for the major categories of employment by class of worker and industry have been developed on the basis of employment relationships which existed at the time of the 1970 Decennial Census. These factors are applied to the payroll employment estimates for the current period to obtain adjusted employment estimates.

2. *Preliminary estimate—Unemployment:* In the current month, the estimate of unemployment is an aggregate of the estimates

for each of three building block categories: (1) Persons who were previously employed in industries covered by State unemployment insurance (UI) laws; (2) those previously employed in industries not covered by these laws; and (3) those who were either entering the labor force for the first time or reentering after a period of separation.

An estimate for those previously employed in covered industries is derived from a count of current unemployment insurance claimants, plus estimates of claimants whose benefits have been exhausted, those persons disqualified from receiving benefits for nonmonetary reasons (because they quit, were discharged for cause, etc., but would otherwise have been eligible), and persons who either filed claims late, or not at all.

The estimate of those previously employed in industries not covered by UI is derived by applying the current ratio of covered unemployment to covered employment to the employment estimate for each industry or class of worker subgroup in the State, weighted by factors reflecting national historical relationships.

For the third category, new entrants and reentrants into the labor force, a composite estimate is developed from equations that relate the total entrants into the labor force to the experienced unemployed and the experienced labor force. For each month, the estimate of entrants into the labor force is a function of: (a) the month of the year; (b) the level of the experienced unemployed; (c) the level of the experienced labor force; and (d) the proportion of the working age population that is considered "youth". The composite estimate of total entrants is defined as:

$$U = A(X + E) + BX, \text{ Where}$$

U = total entrant unemployment

E = total employment

X = total experienced unemployment

A, B = synthetic factors incorporating seasonal variation, and an assumed relationship between the proportion of youths in the working population and the historical relationship of entrants to the experienced unemployed (B factor) or the experienced labor force (A factor).

3. *Adjustment for additivity.* Using the Handbook method, States prepare independent employment and unemployment estimates for the State, and for many substate areas. An adjustment is applied to all substate estimates to ensure that the substate estimates add to the independent State totals. Specific additivity adjustment procedures vary from State to State, but are generally one of the three following basic methods: (a) If a State is comprised of mutually exclusive and exhaustive LMA's, then the difference between the independent State estimate and the sum of the estimates for the LMA's is prorated over all LMA's in the State, to produce a set of substate estimates which add to the independent State estimate; (b) If the

mutually exclusive LMA's do not exhaust the geographic area of the State, then the difference between the independent State estimate and the sum of the LMA estimates, or residual, becomes the balance-of-State estimate; (c) If a State contains LMA's which are benchmarked independently (see below), estimates for these areas are subtracted from the independent State estimate and the additivity adjustment is then applied to the remaining areas in the balance of the State.

4. *Benchmark correction and extrapolation procedures.* Once each year all monthly estimates prepared by State employment security agencies under the Handbook method are adjusted, or benchmarked, by BLS to the annual average estimates resulting from the CPS. This adjustment is necessary because the State-prepared estimates are not as reliable as the CPS estimates, due to differences in State UI laws, the structural limitations of the Handbook method, and errors in the UI data.

The benchmarked estimates are produced in three stages.

First, the monthly Handbook estimates are adjusted by the ratio of the CPS and Handbook annual averages. Second, the difference between the ratio of annual averages for two consecutive years is wedged into the monthly estimates in order to minimize the disturbance to the original series. Finally, the second-stage estimates are forced into agreement with CPS annual averages.

The benchmarked estimates are extrapolated into the current year by applying the latest relevant correction factor to the current Handbook estimates of employment and unemployment. The employment factor used in year (t) is the quotient of the December employment benchmarked and Handbook estimates in year (t-1). The unemployment factor for year (t) is the algebraic difference between the December unemployment benchmarked and Handbook estimates in year (t-1). The preliminary estimate in the current year is then the result of applying the correction factor by multiplication (for employment), or by addition (for unemployment) to the current Handbook estimate.

Seasonal adjustment

Many economic statistics reflect a regularly recurring seasonal movement which can be estimated on the basis of past experience. By eliminating that part of the change which can be ascribed to usual seasonal variation, it is possible to observe the cyclical and other nonseasonal movements in the series. However, in evaluating deviations from the seasonal pattern—that is, changes in a seasonally adjusted series—it is important to note that seasonal adjustment is merely an approximation based on past experience. Seasonally adjusted estimates have a broader margin of possible error than the original data on which they are based, since they are subject not only to sampling and other errors, but in addition, are affected by the uncertainties of the seasonal adjustment process itself. Seasonally adjusted series for selected labor force and establishment data are published regularly in *Employment and Earnings*.

The seasonal adjustment methods used for these series are an adaptation of the standard ratio-to-moving average method, with a provision for moving "adjustment factors" to take account of changing seasonal patterns. A detailed description of the method is given in the two publications, *BLS Seasonal Factor Method (1966)* and *X-11 Variant of the Census Method II Seasonal Adjustment Program*, Technical Paper No. 15, Bureau of the Census (1967).

Data for the household series are seasonally adjusted utilizing the Census Bureau's X-11 Method. Each January, seasonal adjustment factors for unemployment and other labor force series are revised to take into account data from the previous year. In January 1976, in addition to the routine annual revisions, the Bureau introduced a modification in the procedure for seasonally adjusting teenage unemployment and those few other unemployment series (e.g., unemployed new entrants) of which teenagers are the exclusive or major part. All other series are adjusted following past procedures.

All civilian labor force and unemployment rate statistics, as well as the major employment and unemployment estimates, are computed by aggregating independently adjusted series. For example, for each of the three major labor force components—agricultural employment, nonagricultural employment, and unemployment—data for four sex-age groups (males and females under and over 20 years of age) are separately adjusted for seasonal variation and are then added to derive seasonally adjusted total figures. In order to provide seasonally adjusted total employment and civilian labor force estimates,

the appropriate series are aggregated. The unemployment rate for all civilian workers is derived by dividing the estimate for total unemployment (the sum of 4 seasonally adjusted sex-age components) by the civilian labor force (the sum of 12 seasonally adjusted sex-age components).

Revised seasonally adjusted series for major components of the labor force based on data through December 1976, new seasonal factors for the 12 major components of the civilian labor force, and a description of the seasonal adjustment methodology are published in the February 1977 *Employment and Earnings*. Many additional series, which are either components or aggregates of the series presented, are available from the BLS upon request.

For establishment data, seasonally adjusted series for all employees, production workers, hours, and earnings, are computed using the BLS Seasonal Factor Method. Seasonal adjustment factors are directly applied to the component levels. Seasonally adjusted totals for most of these series are then obtained by taking a weighted average of the seasonally adjusted data for the component series. Seasonally adjusted average weekly earnings are the product of seasonally adjusted average hourly earnings and seasonally adjusted average weekly hours. Average weekly earnings in constant dollars, seasonally adjusted, are obtained by dividing seasonally adjusted average weekly earnings by the seasonally adjusted Consumer Price Index. Indexes of aggregate weekly hours, seasonally adjusted, are obtained by multiplying average weekly hours, seasonally adjusted, by production or nonsupervisory workers, seasonally adjusted, and dividing by the 1967 base. For total private, total goods producing, total private service producing, trade, manufacturing, and durable and nondurable goods the indexes of aggregate weekly hours, seasonally adjusted, are obtained by summing the aggregate weekly hours, seasonally adjusted, for the appropriate component industries and dividing by the 1967 base.

The seasonally adjusted establishment data for Federal Government are based on a series which excludes the Christmas temporary help employed by the Postal Service in December. The employment of these workers constitutes the only significant seasonal change in Federal Government employment during the winter months. Furthermore, the volume of such employment may change substantially from year to year because of administrative decisions by the Postal Service.

Hence, it was considered desirable to exclude this group from the data upon which the seasonally adjusted series is based.

For labor turnover rates, seasonal adjustment factors are applied directly to the component series. These series are then aggregated to obtain total levels (total accessions and total separations). These factors are derived by the Census X-11 Method using the trading day option. As a result these series

are adjusted for the number of times each day of the week occurs in a given month, as well as for the month of the year.

The revised seasonally adjusted series for the establishment data reflect experience through August 1977. Seasonal factors to be used for current adjustment appear in the December 1977 issue of *Employment and Earnings*.

Additional information concerning the preparation of the labor force, employment, hours, earnings, and labor turnover series—concepts and scope, survey methods, and limitations—is contained in the *Handbook of Methods, BLS Bulletin 1910*.

U.S. Department of Labor

Bureau of Labor Statistics

REGION I - BOSTON John Fitzgerald Kennedy Federal Bldg. Government Center - Room 1603 A Boston, Mass. 02202	REGION II - NEW YORK 1515 Broadway—Suite 3400 New York, N.Y. 10036	REGION III - PHILADELPHIA 3535 Market Street P.O. Box 13309 (Zip 19101) Philadelphia, Pa.	REGION IV - ATLANTA 1371 Peachtree Street, N.E. Atlanta, Ga. 30309
REGION V - CHICAGO 230 S. Dearborn Street Chicago, Ill. 60604	REGION VI - DALLAS 555 Griffin Sq., 2nd Fl. Dallas, Tex. 75202	REGIONS VII & VIII - KANSAS CITY 911 Walnut Street Kansas City, Mo. 64106	REGIONS IX & X - SAN FRANCISCO 450 Golden Gate Avenue, Box 36017 San Francisco, Calif. 94102

COOPERATING STATE AGENCIES

State and Local Area Unemployment Statistics Program (LAUS), Current Employment Statistics Program (CES), and Labor Turnover Statistics Program (LTS)

BLS
Region

IV ALABAMA	-Department of Industrial Relations, Industrial Relations Building, Montgomery 36104
X ALASKA	-Employment Security Division, Department of Labor, P.O. Box 3-7000, Juneau 99802
IX ARIZONA	-Department of Economic Security, P.O. Box 6123, Phoenix 85007
VI ARKANSAS	-Employment Security Division, Department of Labor, P.O. Box 2981, Little Rock 72203
IX CALIFORNIA	-Employment Development Department, P.O. Box 1679, Sacramento 95808 (LAUS and CES).
VIII COLORADO	-Division of Employment, Department of Labor and Employment, Room 222, 1210 Sherman Street, Denver 80203
I CONNECTICUT	-Employment Security Division, Labor Department, 200 Folly Brook Boulevard, Wethersfield 06109
III DELAWARE	-Department of Labor, 801 West Street, Wilmington 19899
III DIST. OF COL.	-Office of Administration and Management Service, D.C. Manpower Administration, Room 626, 500 C Street, N.W., Washington 20001
IV FLORIDA	-Division of Employment Security, Department of Commerce, Caldwell Building, Tallahassee 32304
IV GEORGIA	-Employment Security Agency, Department of Labor, 254 Washington Street, S.W., Atlanta 30334
IX HAWAII	-Department of Labor and Industrial Relations, P.O. Box 3680, Honolulu 96811
X IDAHO	-Department of Employment, P.O. Box 35, Boise 83707
V ILLINOIS	-Bureau of Employment Security, Department of Labor, 910 South Michigan Avenue, Chicago 60605
V INDIANA	-Employment Security Division, 10 North Senate Avenue, Indianapolis 46204
VII IOWA	-Employment Security Commission, 1000 East Grand Avenue, Des Moines 50319
VII KANSAS	-Employment Security Division, Department of Labor, 401 Topeka Boulevard, Topeka 66603
IV KENTUCKY	-Bureau of Manpower Services, State Office Building Annex, Frankfort 40601
VI LOUISIANA	-Department of Employment Security, P.O. Box 44094, Capitol Station, Baton Rouge 70804
I MAINE	-Employment Security Commission, Department of Manpower Affairs, 20 Union Street, Augusta 04330
III MARYLAND	-Department of Human Resources, 1100 North Eutaw Street, Baltimore 21201
I MASSACHUSETTS	-Division of Employment Security, Charles F. Hurley Employment Security Building, Government Center Boston 02114
V MICHIGAN	-Employment Security Commission, Department of Labor, 7310 Woodward Avenue, Detroit 48202
V MINNESOTA	-Department of Economic Security, 390 North Robert Street, St. Paul 55101
IV MISSISSIPPI	-Employment Security Commission, P.O. Box 1699, Jackson 39205
VII MISSOURI	-Division of Employment Security, Department of Labor and Industrial Relations, P.O. Box 59, Jefferson City 65101
VIII MONTANA	-Employment Security Division, Department of Labor and Industry, P.O. Box 1728, Helena 59601
VII NEBRASKA	-Division of Employment, Department of Labor, P.O. Box 94600, State House Station, Lincoln 68509
IX NEVADA	-Employment Security Department, P.O. Box 602, Carson City 89701
I NEW HAMPSHIRE	-Department of Employment Security, 32 South Main Street, Concord 03301
II NEW JERSEY	-Department of Labor and Industry, 202 John Fitch Plaza, Trenton 08625
VI NEW MEXICO	-Employment Security Commission, P.O. Box 1928, Albuquerque 87103
II NEW YORK	-Division of Employment, N.Y. State Department of Labor, State Campus—Building 12, Albany 12201
IV NORTH CAROLINA	-Employment Security Commission, P.O. Box 25903, Raleigh 27611
VIII NORTH DAKOTA	-Employment Security Bureau, P.O. Box 1537, Bismarck 58505
V OHIO	-Division of Research and Statistics, Bureau of Employment Services, 145S. Front St., Columbus 43216
VI OKLAHOMA	-Employment Security Commission, Will Rogers Memorial Office Building, Oklahoma City 73105
X OREGON	-Employment Division, Department of Human Resources, 875 N.E. Union Street, Salem 97311
III PENNSYLVANIA	-Bureau of Employment Security, Department of Labor and Industry, Seventh and Forster Streets, Harrisburg 17121
I RHODE ISLAND	-Division of Statistics and Census, Department of Labor, Room 117, 235 Promenade Street, Providence 02908 (CES). Department of Employment Security, 24 Mason Street, Providence 02903 (LAUS and LTS)
IV SOUTH CAROLINA	-Employment Security Commission, P.O. Box 995, Columbia 29202
VIII SOUTH DAKOTA	-Department of Labor, P.O. Box 1730, Aberdeen 57401
IV TENNESSEE	-Department of Employment Security, Room 519, Cordell Hull Office Building, Nashville 37219
VI TEXAS	-Employment Commission, TEC Building, 15th and Congress Avenue, Austin 78778
VIII UTAH	-Department of Employment Security, P.O. Box 11249, Salt Lake City 84147
I VERMONT	-Department of Employment Security, P.O. Box 488, Montpelier 05602
III VIRGINIA	-Division of Research and Statistics, Department of Labor and Industry, P.O. Box 12064, Richmond 23241 (CES). Employment Commission, P.O. Box 1358, Richmond 23211 (LAUS and LTS)
X WASHINGTON	-Employment Security Department, 1007 South Washington Street, Olympia 98501
III WEST VIRGINIA	-Department of Employment Security, State Office Building, 112 California Avenue, Charleston 25305
V WISCONSIN	-Department of Industry, Labor, and Human Relations, P.O. Box 7944, Madison 53707
VIII WYOMING	-Employment Security Commission, P.O. Box 2760, Casper 82601